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JIDE TO BOMBAY:

TORICAL, STATISTICAL, AND DESCRIPTIVE

BY

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EDITOR OF THE 'BOMBAY GAZETTE,' FELLOW OF THE UNIVERSITY OF BOMBAY,
AND LATE CHAIRMAN OF THE BOMBAY TOWN COUNCIL.

Revised to date and Enlarged.

TWENTY-FOURTH EDITION.

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Advertisement to the First Edition.

In offering this book to the public, I wish to disclaim for it any [illegible]er merit than that it is a careful, and, if not a complete, yet at all [illegible]nts, so far as it goes, an accurate digest of such information as I [illegible]ve been able to collect, by dint of hard reading and personal [illegible]bservation, concerning a city which I have known familiarly for the [illegible]st fifteen years. I have avoided crowding the pages of the GUIDE [illegible]ith references; and I will only mention here, amongst the numer[illegible]s works I have studied in order to obtain materials for this book, [illegible]tchison's *Treaties*, *Anderson's English in Western India*, *Heeren's [illegible]siatic Researches*, *Mill and Wilson's History of India*, *Grant Duff's [illegible] of the Mahrattas*, *Orme's Historical Fragments*, *Forbes's [illegible]ntal Memoirs*, *Heber's Narrative*, *Hamilton's Hindostan*, *Milburn's [illegible]ntal Commerce*, *Macpherson's Annals of Commerce*, *Royle's [illegible] the Cotton Trade*, the *Wellington Despatches*, the *Wellesley [illegible]espatches*, *Fryer's Travels*, *Ovington's Voyage to Surat*, *Carsten [illegible]ebuhr's Travels*, *Vincent's Periplus*, *Yule's Marco Polo*, and, amongst [illegible]ther official papers, Warden's valuable *Memoir on the Land Tenures [illegible] Bombay*, the *Bombay Administration Reports*, especially that for [illegible]872-73, and Dr. Hewlett's *Census of Bombay*.

For all the first four chapters of the GUIDE I am solely respon[illegible]ble. In compiling the "Description of the City of Bombay" [illegible] have been greatly assisted by Mr. Collett, of the *Bombay* [illegible] [illegible]nd to Mr. MacPherson, of the same office, I am indebted [illegible] [illegible]scriptions of the Festivals held in Bombay and [illegible] [illegible]. I have also to thank many outside [illegible] [illegible] help given to me in the prepa[illegible] [illegible] [illegible] as the standard "GUIDE [illegible]

[illegible]BAY GAZETTE O[illegible]

[illegible] 1, 187[illegible]

Advertisement to the Twenty-fourth Edition.

THE GUIDE for the year 1899 has been carefully revised and brought up to the date of going to press. The information on the commercial and manufacturing progress of the city during the past year has been obtained from official and other authentic sources, and a sketch is given of the events connected with the plague epidemic.

The portrait of Her Highness Maharani Jamnabai of Baroda is given as a frontispiece, and is accompanied with a brief sketch of her.

The public buildings of Bombay, including those recently constructed, are fully described. The benefactions of prominent and wealthy citizens of the present and former generations, and the educational and charitable institutions founded by them are chronicled.

Much varied information has been added to that which has appeared in previous editions of the Guide, special care being taken that the local information shall meet the wants of business men and the general public.

GAZETTE OFFICE,
1, 1899.

HER HIGHNESS

THE MAHARANI JUMNABAI OF BARODA.

THE distinguished lady, who forms the subject of this short sketch, and whose death a month ago was the theme of universal regret all over the Baroda State, was the daughter of a Maharatta Jahgirdar in the Satara district, and the widow of the late Khanderao Gaekwar. The Maharaja Khanderao became the ruler of the Baroda State in succession to his brother Gunpatrao Gaekwar, who died in 1856 without male issue. Khanderao proved himself a successful ruler, and, during his reign of fourteen years, by his devoted loyalty and meritorious services, prevailed upon the British Government to exempt the State from the annual payment of rupees three lakhs for the support of the Gujarat Irregular Horse. He was also rewarded with the Grand Cross of the Star of India. At the time of his death in 1870, the young Maharani was pregnant and pending the birth of a possible heir to the throne, Malhar Rao Gaekwar, younger brother of Khanderao, was appointed Regent. The fates were kind to Malhar Rao. Jamnabai gave birth to a girl, the little Tarabai, who afterwards married the still uninstalled Chief of Savantwadi, and died a year since. In the absence of male issue Malhar Rao was placed on the *gadi*, and, during his reign, Jamnabai with her child led a retired life in Poona. But the painful incidents which brought about the deposition of Malhar Rao in April 1875 changed her status. Her Highness returned to Baroda, and was appointed Regent. She was then requested by the British Government to adopt an heir, and her choice fell upon the present ruler Savaji Rao, a descendant of Partab Rao, then a lad of thirteen. The selection was approved by the Government, and the young Maharaja was installed on the *gadi* on the 27th May 1875; and the Government of India appointed Rajah Sir T. Madhavrao Prime Minister of Baroda. The discernment, tact, and kindly feeling displayed by Her Highness in her exalted position drew forth the

warm acknowledgments of the illustrious Minister and other high officials of Government. She was ever ready to take an enlightened view of the matters in which her aid was sought by the Agent to the Governor-General at Baroda ; and Mr. P. S. Melvill, writing to the Government of India in August 1876, said, "The administration is deeply indebted to the good sense, kindly feeling and assistance of Her Highness the Maharani Jamnabai." The Prime Minister, Sir T. Madhavrao, in his memorandum, submitted to the Agent to the Governor-General, said, "We have derived every possible encouragement from the cordial approval of our principles and proceedings by Her Highness the Maharani Jamnabai whose intelligence, sagacity and goodness would do honour to any Native Prince or Princess." Again, in his memorandum of December 1877, the Prime Minister wrote of the late Maharani :— "Her Highness the Maharani Jamnabai has continued to give her sympathy and co-operation in the work of reform. Her Highness's good sense and discernment have enabled her to recognise in that work the present and future good of the Baroda State. Her excellent judgment and characteristic strength of will impose on her relations, friends, and dependents a wise and necessary forbearance from interference in public affairs. Her predominant wish is that her son, the young Gaekwar, should be successfully trained to fulfil the high destinies before him, and that, meanwhile, the machinery of the State should be so arranged that it may always work smoothly and safely." The long and successful reign of the present Maharaja, under which the State has prospered beyond all previous experience, shows that Her Highness's wishes in this regard have been fully realised. In his administration report of December 1877, the Governor-General's Agent wrote to the Government of India in these terms :—"I cordially endorse the expressions of gratitude to Her Highness the Maharani Jamnabai used by the Minister. Her Highness can always be relied on for a sensible and temperate opinion, and she has continued to lend the force of her position to furthering the ends of an enlightened administration."

One of the most important and interesting events that marked her regency was the visit paid by His Royal Highness the Prince of Wales to Baroda in November 1875. In narrating the incidents of that visit Sir William Howard Russel has drawn a vivid portrait of the Maharani. He describes Her Highness as "an exceedingly engaging and graceful lady, not yet thirty years of age, with a pleasant face, bright eyes, and agreeable smile. Her hands and feet are particularly small and well-shaped. The former were not overdone with rings, but Her Highness would probably not be able to take a long walk by reason of toe-rings, one of which, on her left foot, seemed to exercise some control over her motions. She was unveiled, but from time to time she drew, as if instinctively, her tissue shawl over her head. She had her little daughter, 'who', said the Maharani, 'would have been Gaekwar had she been a boy,' at her knee, and the child's governess, an English lady, sat a little behind her. The Maharani was delighted with Bombay; honoured beyond expression by the Prince's visit; hoped that he would like Baroda; and was much interested in the success of his shooting party, about which she had given orders."

The Maharani was universally popular at Baroda, both on account of her piety and her large charities, and her recovery from a very serious illness about a year ago was hailed with great delight by the people. She died at Baroda, on 30th November 1898, at the age of about 53 years.

ALMANACK,
1899.

JANUARY.

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	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
1	0	0	7	0	0	7	0	0	6	0	0	6
2	0	1	2	0	1	1	0	1	1	0	1	0
3	0	1	9	0	1	8	0	1	7	0	1	7
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35	1	4	0	1	3	4	1	2	8	1	3	0
40	1	6	11	1	5	1	1	5	4	1	6	0
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50	1	12	7	1	10	7	1	10	8	1	11	7
100	3	9	2	3	7	2	3	5	4	3	3	1
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PUBLIC HOLIDAYS.

THE following are the Christian, Hindu, Parsi, Mahomedan and Jewish Holidays recognized by Government for the year 1899 :—

GENERAL (PUBLIC OFFICES CLOSED).	Days.
New Year's Day, 1st January, Sunday	1
Good Friday, 31st March, Friday	1
Queen's Birthday, 24th May, Wednesday	1
Christmas, 25th December, Monday	1

CHRISTIAN.

Easter Holidays, 1st and 3rd April, Saturday and Monday	2
Ascension Day, 11th May, Thursday	1
Pentecost Holidays, 22nd and 23rd May, Monday and Tuesday.	2
Christmas Holidays, 26th to 31st December, Tuesday to Sunday	5

HINDU.

Makar Sankranti, 13th January, Friday	1
Maha Shivaratri, 10th March, Friday	1
Shimga (Holi), 26th and 28th March, Sunday and Tuesday	2
Ramnavami, 19th April, Wednesday	1
Cocoanut Holiday, 20th August, Sunday	1
Janma Ashtami, 27th August, Sunday	1
Ganesh Chaturthi, 9th September, Saturday	1
Dassera, 14th October, Saturday	1
Divali, 2nd and 4th November, Thursday and Saturday	2

PARSI—Shahanshahi.

Jamshidi Naoroz, 21st March, Tuesday	1
Aban Jasan, 22nd April, Saturday	1
Adar Jasan, 21st May, Sunday	1
Farvardin Jasan, 31st May, Wednesday	1
Gatha Gahambars, 12th to 14th Sept., Tuesday to Thursday.	3
Pateti 1269 (Naoroz), 15th September, Friday	1
Khurdadsal and Valava, 20th & 21st September, Wednesday and Thursday	2
Atashbeheram Salgiri, 31st October, Tuesday	1

PARSI—Kadmi.

	Days.
Jamshidi Naoroz, 21st March, Tuesday	1
Aban Jasan, 23rd March, Thursday	1
Adar Jasan, 21st April, Friday	1
Farvardin Jasan, 1st May, Monday	1
Gatha Gahambars, 13th to 15th August, Sunday to Tuesday	3
Pateti 1269 (Naoroz), 16th August, Wednesday	1
Khurdadsal and Valava, 21st and 22nd August, Monday and Tuesday	2
Atashbeheram Salgiri, 1st October, Sunday	1

MUHAMMADAN—Sunni.

Lailat-ul-Kadar, 9th February, Thursday	1
Ramazan 'Id, 12th & 13th February, Sunday & Monday	2
Bakri 'Id, 21st April, Friday	1
Ashura, 21st and 22nd May, Sunday and Monday	2
Bara Wafat, 21st July, Friday	1
Jilan, 19th August, Saturday	1
Miraj-i Mahomed, 2nd December, Saturday	1
Mahim Fair, 17th December, Sunday	1
Shab-i-Barat, 19th December, Tuesday	1

MUHAMMADAN—Shiah.

Katle Imam Ali, 3rd February, Friday	1
Hazrat Ali, 5th February, Sunday	1
Ramazan 'Id, 12th & 13th February, Sunday & Monday	2
Bakri 'Id, 21st April, Friday	1
'Id Gadir, 29th April, Saturday	1
Asnura, 20th and 21st May, Saturday and Sunday	2
Chehelum, 29th June, Thursday	1
Katle Imam Hussen, 7th July, Friday	1
'Id Maolad, 26th July, Wednesday	1

JEWISH.

Purim, 24th February, Friday	1
Pesakh, 26th March & 1st April, Sunday & Saturday	2
Shabuoth, 15th May, Monday	1
Tishabiab (Abacha San), 16th July, Sunday	1
Rosh Hoshana, 5660, 5th and 6th September, Tuesday and Wednesday	2
Kipur, 13th and 14th September, Wednesday and Thursday.	2
Sukoth, 19th and 27th September, Tuesday and Wednesday	2

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Maclean's Guide to Bombay.

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Natural features of Bombay.

BOMBAY, the capital and chief seaport of Western India, is situated in lat. 18° 53′ 45″ N., long. 72° 52′ E. The city is built on a cluster of islands which, by means of connecting causeways and break-waters to shut out the sea, have been converted into a promontory of land, about three miles across at the northern end where it is now joined to the larger island of Salsette, and narrowing to a point of rock at Colaba, the southern extremity, where is the lighthouse marking the entrance to the harbour. This peninsula, or, as it is still called, island of Bombay, extends over an area of 22 square miles. It "is formed by two unequal ranges of whinstone rocks,[1] running nearly parallel to, and at the distance of about three miles from, each other;" and the City now covers these ridges—the highest point in which does not exceed 180 feet, which is the height of Malabar Hill just above the eastern corner of Back Bay—as well as the greater part of the plain between. From Colaba to Mahim, on the western shore facing the

[1] Two papers on the Geology of Bombay, one by Dr. H. J. Carter, and the other by Dr. Buist, the late accomplished Editor of the *Bombay Times*, are published in a collection of *Geological Papers on Western India*, a copy of which is in the Asiatic Society's Library. Dr. Buist speaks of the western ridge as part of a basalt barrier running as a great sea-wall from Bassein to Alibagh, a distance of 70 miles, for which he himself had traced it, and seen through only by the creek opening into Bombay Harbour. "From the ridge eastward, for the space of two miles, the island is almost perfectly flat, rising, at the highest, 8 or 10 feet above the level of the sea: much of it would be submerged at high tides were the sea not artificially shut out. A mass of trap, mostly greenstone, extends from the Lighthouse, at the extreme south-eastern end of Colaba, on all the way to Sion, on the eastern side of the island, facing the harbour; instead of forming one continuous ridge like the basalt from Malabar Point to Mahaluxmee, it often sinks down to the level of the sea, where it is covered over with alluvium and is only traceable in wells, quarries, and other excavations: it sometimes rises into knolls, sometimes into beautiful picturesque little hills of about 100 feet in elevation." Sion is the Marathee word *Seun*—a boundary. The Portuguese pronounced it correctly enough; but the English corruptly pronounce the word as if it had something to do with the Mount Zion of the Bible.

Indian Ocean, is a distance of eight miles, and this side of the island is indented with several beautiful bays, accessible only to fishing boats, the largest being Back Bay, a false harbour extending from Colaba Point round in a graceful sweep to the opposite point of Malabar Hill. On the eastern side of the island extends the deep, capacious, and well-sheltered harbour, an arm of the sea studded with islands which separates Bombay and Salsette from the mainland, and, passing round the northern shore of the latter island at Tanna, enters the Indian Ocean again at Bassein. "The haven of Bombay," says the author of a *Description of the Fort and Island of Bombay*, published in 1724, "comprehends all the waters that enter between Colair (Bandora Point), on the west point of the island of Salsette and the two small islands of Henery and Kennery, on the south, near the main land." On a map dated the same year, the "*old* place of riding for ships in winter" (during the monsoon) is marked as near Tanna, and "*the present place*" off the Fort; while there is said to be "safe riding" between Butcher's Island and Elephanta. Opposite Colaba, the harbour is six miles broad.

The name Bombay.

"The island of Bombay, or Bombaim as it is called by old writers, has been naturally supposed by Europeans to derive its name from the Portuguese, and to have denoted an advantage of its geographical position. But Briggs declares, without, however, giving his authority, that in ancient days part of the island was called Mahim, and part Mumbayé, from an idol. And, certainly, an old temple, dedicated to Moomba Devee, or the goddess Moomba, formerly stood on the plot now called the Esplanade." (*Anderson.*) The tank and temple of Mombadevee, in the most frequented part of the native town, still preserve the name. Yule (*Marco Polo*) detects in the latter part of the compound name Tanna-Maiambu, which, according to Barbosa, was used to designate the kingdom of the Concan in the beginning of the sixteenth century, the first historical mention of the name Bombay. I would venture to suggest that the word Mahim itself may be identical with Maiambu and

The Portuguese Occupation.

Mumbayé. I find, in the *Description* of Bombay in 1724, a statement that "Mahim was the name formerly of the whole island. There was in old time built here by the Moors a great castle; and, in the time of the kings of Portugal, this was the place where the court and the custom-house were kept, and here were the duties paid by the vessels of Salsette, Trombay, Callian, and Bewndy on the main." As, however, the place really had no history before the Portuguese occupation, it is useless to discuss further the origin of the name, Bombay, which, if it be interpreted to mean "good harbour," is at all events a most felicitous title. The island, probably, fell into the hands of the Portuguese in 1529. From May 18, 1498, the day on which Vasco da Gama reached Calicut, the power in the Eastern seas of the European nation that had had the skill and fortune to discover the passage round the Cape of Good Hope had gone on rapidly *increasing till it became quite irresistible.* From 1505, says Lafitau (*Histoire des Découvertes et Conquêtes des Portugais*), the Portuguese had such a superiority that they laid down the law wherever they went in India. They contented themselves, however, for a long time with destroying the maritime trade carried on by the Moors or Arabs in the Indian Ocean, and making settlements on the Malabar Coast to the south of Bombay, at Calicut, Cannanore, Dabul, and Chaul. Albuquerque took Goa (then esteemed the best port in Western India and one of the most considerable cities in the peninsula) in 1510, and made it the metropolis of Portuguese India. But between Goa and Ormuz, at the entrance of the Persian Gulf, the Portuguese held no place at that time considered of great importance till the middle of the century, when (1546), after repeated contests, they at last acquired Diu. They, however, frequently ravaged the intervening coast, and in 1530 Nugno da Cunha, after pillaging Surat, sailed to Bombay to exact from "the king of Tanna"—a prince holding this maritime district under the Sultan of Guzerat (Beder)—the tribute he had "agreed to pay the previous year." In 1531 the same Viceroy selected Bombay as

the general rendezvous for a formidable expedition with which he first assailed Diu, and afterwards (1533) took Bassein, which, with its dependencies, including Salsette and Bombay, was formally ceded by Sultan Bahadur of Guzerat in 1534. In the latter half of the sixteenth century, when Portuguese rule was securely established along the coast, Bombay was made one of the districts under the control of the captain-general of Bassein. The English, who first made their appearance as competitors for the Indian trade at the end of the sixteenth century, soon cast covetous eyes on Bombay, and they made one or two ineffectual attempts to get possession of it before it was ceded to England, in 1661, as part of the dowry of the Infanta Catherine, on her marriage with Charles the Second. Article XI. of the treaty of June 23, 1661, referring to the cession, says, it is made "for the better improvement of the English interest and commerce in the East Indies, and that the king of Great Britain may be better enabled to assist, defend, and protect the subjects of the king of Portugal in those parts from the power and invasion of the states of the United Provinces." The Portuguese in India, however, at that time probably resented as an insult the suggestion that they required English help to protect them against the Dutch. After the cession, the Earl of Marlborough, with a fleet of five men-of-war and 500 troops under Sir Abraham Shipman, was sent from England with a commissioner from Portugal, to take over the island. But the Portuguese governor, when the fleet arrived in September 1662, refused to give up the "dependencies" of Bombay, Salsette and Caranja, along with the island itself: and Lord Marlborough went home, while the troops—the first body of regular English soldier ever sent to India—were landed on the island of Angediva, of Carwar, where Sir Abraham Shipman and most of his men died, and Mr. Cook, Sir Abraham's secretary, signed a convention accepting the cession of the island alone. Charles II. repudiated this convention and demanded from the court of Portugal £100,000 as compensation for the loss suffered by

Cession of the Island to the English.

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shows the sagacity of the English merchants of those days, and enables us to understand why they soon outstripped their intolerant Portuguese rivals. Land in Bombay being, for the most part, valueless for want of population, the early settlers under English rule were allowed to occupy waste plots of ground and build upon them; and there can be no doubt that a large proportion of the private property now existing in the island was created in this way. The city soon became a place of refuge for natives from the neighbouring, and even from distant, territories; and Bombay can share with Rome and other great cities the reproach of having been founded by adventurers of indifferent characters. Dr. John Fryer, who visited the island in 1675, and whose Travels, published in 1682, have supplied the best materials for all the accounts that have since been written of the state of Bombay at that period, says:—"The population numbers 60,000, more by 50,000 than the Portuguese ever had—a mixture of most of the neighbouring countries, most of them fugitives and vagabonds." To this day, as we shall show more in detail in the section on population, Bombay is a real *colluvies gentium*, and a satirist might, perhaps, apply to it terms as harsh as Dr. Johnson unfairly used to describe the English capital a century ago:—

Character of the Population.

> London, the needy villain's general home,
> The common sewer of Paris and of Rome.

It can hardly be the case, however, that the manners of the English residents have not improved since 1689, when Mr. Ovington, chaplain to His Majesty, visited Bombay, and ascribed the general bad health of Europeans to the great wickedness that reigned upon the island. "For I cannot," says the worthy chaplain, "without horror, mention to what a pitch all vicious enormities were grown in this place, when the infection was most outrageous; nor can I but think that the Divine Justice interposed, and forwarded those fatal infelicities which are not wholly imputable to an impure contagion of the air, or the gross infection of the elements. Luxury, immodesty, and a prostitute dissolution of manners, found still new matter to work upon. Wickedness was still upon the improvement, and grew to

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resist an invasion of Bombay by the Seedee, and "bowers dedicated to ease" had consequently been turned into bold ramparts, while the walks, "which were before covered with Nature's verdant awnings and lightly pressed by soft delights," were "open to the sun and loaded with the hardy cannon." "Within the Fort were mounted 120 pieces of ordnance, and in another convenient place stands 20 more, besides 60 field pieces ready in their carriages to attend the militia and Bundaries," &c. "At a distance enough from the Fort lies the town, in which confusedly live the English, Portuguese, Topazes (Indo-Portuguese), Gentoos, Moors, Coolies, and Christians—mostly fishermen. It is a full mile in length; the houses are low and thatched with oleas of the cocoa trees; all but a few the Portuguese left, and some few the Company have built. The custom-house and warehouses are tiled or plastered, and, instead of glass, use panes of oyster-shells for their windows. *There is also a reasonably handsome bazaar at the end of the town, looking into the field, where* cows and buffaloes graze. The Portuguese have a pretty house and church, with orchards of Indian fruit adjoining. The English have one a burying place called Mendam's Point, from the first man's name therein interred, where are some few tombs that make a pretty show at entering the haven, but neither church nor hospital, both of which are mightily desired." This was written 200 years ago; and now, though we have plenty of churches, the "hospital" for the English is still "mightily desired."[1] "On the back side of the towns of Bombaim and Mahim are woods of cocoas, under which inhabit the Bundaries (those that prune and *cultivate them*), these *hortoes* (oarts) being the greater purchase and estates in the island for several miles together, till the sea breaks in between them, over against which, up the bay, a mile, lies Mazagon, a great fishing town, peculiarly notable for a fish called Bumbalo[2]—the sustenance of the

[1] This was written in 1875. In the year 1877 the Bombay Government at last removed from itself the reproach of having provided no decent hospital accommodation in Bombay for European patients, by setting apart for their use spacious building in Fort George. This hospital is endowed with nearly £10,000 raised by public subscription in Bombay.

[2] Familiarly known, in its dried state, as "Bombay Ducks."

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water.[1] The population had by that time greatly outgrown the limits of the Fort, and the eastern portion of the native town was already built over; but it is only within this century, since the great fire of 1803 in the Fort, that the Flats have been extensively built over. The surface of the occupied ground has been raised, and is now tolerably well drained; but a great part of the area is still below the level at which the rain runs off in the monsoon, and is flooded for four months during the rainy season of the year. The island has been extended in other directions, towards the harbour and Back Bay, by the reclamation of the foreshores, and it is now not inaptly compared to a saucer or shallow rocky basin filled with sand, and protected against the encroachments of the sea by hills and embankments.

The unhealthiness of Bombay 200 years ago.

This settlement of rock, swamps, and jungle seems to have been a perfect charnel-house for the English two centuries ago. Mr. Ovington proposed that "as the ancients gave the epithet of Fortunate to some islands in the West, because of their delightfulness and health, so the moderns may, in opposition to them, denominate Bombay the Unfortunate one in the East, because of the antipathy it bears to those two qualities." And certainly the account he gives of the place would justify the epithet. There was very little corn or cattle in the island, but what was imported from the adjacent country, "and these not in

[1] There is rather an amusing anecdote about this Hornby or Breach Candy vellard. Governor Hornby (who appears to have been possessed of unusual energy and determination), perceiving that the first step towards improving the sanitary condition of Bombay was to shut out the sea at Breach Candy, fought hard throughout his term of office to obtain from the Court of Directors permission to execute this work at a cost of about a lakh of rupees. The Directors refused steadily to sanction such an extravagance. At last Governor Hornby, having only about 18 months more to serve, commenced the work without sanction, knowing full well that he could finish it before the Court of Directors could possibly interfere. Accordingly, about the time the vellard was finished, Governor Hornby, opening with his own hand the despatches, found an order for his suspension, which, his term of office being nearly expired, he put in his pocket, until he had finally handed over charge to his successor. The Honourable Court of Directors were excessively irate, and an order came out which, we believe, has ever since been in force, that the governor should never open the despatches in future, but that they should first be perused by one of the secretaries to Government.

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(' D< <(C E' !9 @:' ;: @:!9 (;' @9 < (:B' DC< E' 9!' C C E' DC ' D: '
9 ' A< E' ;9 : ' A;9' :V6< :B' 9' 9(;: ' !99B' (;C ' C' !:A' ;C B!6 ' 9!'
B <:B' F C< ' C B' ;<' (C@(<@ ' A: ' (9' C 9<B' F :C(' =C((: ' <C' A;<@;' (;:'
6?: <9 ' (: F(;' C B' B< @<? < :' 9!' (;:' ;:C < E' C D:B' >!C;9D:BC '
FC :' (;:D' (;:' CB C (CF:' C B' =E' (;:' C@(< <(E' C B' @: : <(E' 9!' =<'
DC @;: ' (9' >::?' (;:' A;9 :' @96 (E' < ' C C D' C B' ? B: ' <@;'
@<(<: ' C B' B< (<@(' =:!9 :' (;:' 9A'D9 < F' '<D?: <C < (' @9 B' < (: [
?9 :' (9' ? 9(:@(' (;:D ' ;:' ED?C(;<: ' 9!' (;:' ?:9? :' A: :' : : E[
A;: :' A<(;' ;<D ' =:9C :' ;:' ? 9(:@(:B' 8&'@9A ' @C (< C(9 ' C B'
A9D: Y' C B' DCB:' A:C (;E' (CB: ' ;<' @;<:!' <@(<D ' 2C < F' DCB:'
) ') ' ' ' ' B< (<@(' ' ' 96(;: ' 1C; C((C'
@96 (E' C B' (;:' 96(;: ' 96@C ' ;:' Y' (6 :B' ;<' C D ' 9 (;AC B '
(FC<6 (' (;:'<D?: <C ' B< (<@(' C B' CB C @:B' C ' !C ' C ' 6 C(' A;<@;'
;:' ? 6 B: :B' +5C ' #' &TT,R' C B' 9 ' ;<' :(6 ' (9' C<F6 ' C 6D:B'
(;:' (<(:' !' C C ' C B' @9< :B' D9 :E' < ' ;<' 9A ' CD:Y' +N : :R'
B!(:' DC E' <9< C<(6B:' 9!' !9 (6 :' ;<' B:U(: <(E' C B' BC < F' !< C E'
FC :' ;<D' ?9 : <9 ' 9!' C ' K: (: ' B<C' < @ 6B< F' D9 (' ?C ('
9!' (;:' @9C (' ! 9D' (;:' 2 (= BBC' < : ' (9' (;:' S< (C' C B' 9 '
T(;' 56 :' &T%,' =:' M' AC ' : (; 9 :B' C(' C<F ' Y' 9 ' A;<@;'
9@@C <9 ' ;:' ;CB' ;<D : !' A:<F;:B' CFC< (' F9 B' A;<@;' ;C' [
2% ' CD9 F' (;:' C;D< ' (9' A;9D ' !9 (6 C(: E' !9 ' ' 9A '
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C(<9 ' M ' &T%#' (;:' 1C; C((C ' !9 ' (;:' !< (' (<D:' @ 9 :B' (;:'
;6 =6BBC Y' (;:' ? 9?: ' 9 (;: ' =96 BC E' 9!' (;:<' C@:

;<' = <:!' >:(@;' 9!' (;:' @9 B<(<9 ' 9!' B<C' <' (;:' D<BB :' 9!' (;:'
: : (:: (;' @: (6 E' ;9A ' (;C(' (;' F < ;' C(' 9D=CE' A: :' @9 [
! 9 (:B' A<(;' (; ::' F :C(' ?9A: Z (;:' 19F6 ' 9' D?: <C < (' A;9 :'
:D?< :' (< ' (9 F' < ' C??:C C @:' C B' F :C(' < ' ? : (<F:' AC ' C :CBE'
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F: <6 ' 9!' (;:<' :CB: ' C B' (=:' 9 (6F6: :' (;: ' C(' (;:' ;:<F;(

9!' (; :< ' : 9A ' ; :' F < ;' C(' 6 C(' ;CB' : (C= < ; :B' C' (9 : [C= E' F99B' 6 B: (C B< F' A<(;' (; :' 1C;9D:BC ' F9 : 9 ' 9((; :' A: (: ' ? 9 < @: ' 9!' (; :' 29F6 ' :D?< : .' C B' (;< ' (; :E' <D? 9 :B' =E' (; :' 6@@: !6 ' B:!: @:' 9!' (; :< ' !C@(9 <: ' CFC< (' < C : : ' =6(' C ' (; :' 1C; C!@(C :D?< :' F :A' < ' (: F(; ' (; :E' 99 ' !96 B' <(' :@: C E' (9' @9D :' (9' (: D ' A<(;' C' ?9A: ' A ;<@;' @9D DC B:B' (; :' ? < @<?C ' ?C : ' < (9' (; :' :@@C ' C B' 96(; : ' B<C ' C B' @96 B' C 9' B9' D6@;' < 6 E' (9' (; :' (CB:' ! 9D' 36Q: C('(9' (; :' (C(: '9!' : (C 'C B' 9 (; : ' B<C ' < C : : ';9A: : ' C B' ;< ' <D D :B<C(:' 6@@: 9 ' C((:D?(:B' 9(;< F' CFC< (' 9D=CE ' (; 96F;' F <C' C B'(; :' 1C C=C ' ?< C(: ' DCE' =:' C<B' (9' ;C :' ? 6 B: '' :B' < ' (; :< ' CD:' B::B ' (; :' 1C; C((C ' ; : ?:B' (9' @96 (: C@(' (; :' B: <F '9!'C'!C 'D9 :'D< @;<: 96 ': : DE'(; :' 9 (6F6: : 'A ;9'9@@6?<:B' (; :' < C B '9!' C :((:' C B' C C C ' ; :' 9 (6F6: : ' C B '! 9D' (; :< !9 ('9;'(; :' C((: '< C B/ C B' C(' C C' C B' C B9 C ' 9= (6@(:B' (; :' : (C @:' 9!' ? 9 . . ". ` ^' C B' @ :C(:B' : : E' 9= (C@ :' (9' (; :' (CB:' 9!' (; :'< C B .' :< F' ?' ?9 : <9 '9!'(; :'! 6<(!6 'B< (<@(' 9!' (; :' DC< C B' 9??9 <(:' 9D=CE' (; :' 1C; C((C ' A: :'F CB' (9' : B' ? 9 < <9 ' C@ 9 '(; :' ; C =96 ' :U@;C F:' !9 ' D6 <(<9 ' 9!' AC ' C B' 9(; : ' !9 :<F ' F99B ' C @' (; 6 ' (; :' F < ;' FC < 9 ' AC ' C :B' ! 9D'=:< F' (C :B' 96(' L1' :C E' C '&T%#' (; :' C (' B<C' 9D?C E' ? : : (:B' C' D :D 9 <C '(9' <@< F' ;C : ' ' ? CE< F'!9 ' :B : ' C B' (:(C <C(<9 ' 9 '(; :' 9 (6'' F6: : ' ; :' 9D?C E' C :F:B' (; C(' (; :E' ;CB' ?: (' f%0 OOO' < H (: F(; : < F' (; :' B:!: @: '9!' (; :'< C B ' C B' (; :E'@9D? C< :B' (; C(' (; :' 9 (6F6: :' (< '!C< :B' (9'!6 !< ' (; :' (: D '9!' (; :' 9 <F< C ' (:C(E ' C B' < .< :B' F < ;' (CB:' =E' : E< F' B6: ' 9 ' (; :' 9D?C E) ' =9C(' C B' F99B ' ; :' >< F' B< :@(:B' (; :' 9D?C E' (9' :!6 . ?CED: (' 9!' (; : :' B6: &; B' (; :' V6C :' < F: :B'9 ' (< '(; :' 9 (6[F6: :' !96 B' C ' C E' CFC< (' (; :' F < ;'< '(; :' ::B::' 9 '26= ;@.' 9!' 5< :: C 'C' ?:((E' (C(:' C'!:A' D< : 'B9A ' (; :' @9C (' ; :' ::B::' ; :' ::B:: 9 :' 9!' (; :' =E < <C 'A ;9D' (; j' 16 ' 6 DC '? < @: ' A: :'!9 B' 9!' <D?9 (< F' < (9' B<C' (9' TF ; (' (; :< ' =C((: '9 ' C B' C B' C(' :C' ; : B' (; :' 88 ' : (' 9!' BD< C ' (9' (; :' 3 :C(' 19F6 ' 2 :' AC ' @9Q< (C (E

:=FCF:B' <C' AC !C :' A<(;' (;:' 1C= C((C ' C B' A;: ' (;:E'
:<Q:B' C B' !9 (<!<:B' (;:' <((:' < C B' 9!' S: : E' 9 ' A;<@;' (;: :'
< ' 9A' C' <F;(;96 :' C(' (;:' D96(;' 9!' 9D=CE' ;C =96 ' < '
9 B: ' (9' @9DDC B' (;:' : (C @:' ;:' !9 (<!<:B' (;:' :<F;=96 [
< F' < :(' 9!' S: : E' ;:' F < ;' (99>' :<(;: ' <B:' < ' (;< ' @9 (: ('
=6(' (;:' ::B::' =:@CD:' :D=<((: :B' CFC< (' (;:D' =:@C6 :' (;:E'
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C :' C(' 1CQCF9 ' C B' 9D=CE' (;:' ?:9? :' ;:' @C <:B' 9k' ! 9D'
(;:' B< (<@(' C@ 9 ' (;:' ;C =96 ' < ' ;< ' C <96 ' ? 6 B: < F' < @6 <9 '
' ::B::' (:C(:B' (;< ' ? 9;<=<(<9 ' A<(;' (;:' F :C(: (' < 9 : @:' C B'
=:< F' @9DD< <9 :B' =E' C FQ:= ' (9' ?6 < ;' (;:' F < ;' !9 ' (;:'
B:? :BC(<9 ' 9!' C?(C< ' SEBB' C B' 9(;: ' F < ;' ?< C(: ' 9 '
C(< :' 99DD: 9:' ;:' A< (: :B' (A9' 9 ' (; ::' :C 9 ' C(' \CQCF9 '
C B' < ' &TOO'P' =: <:F:B' 9D=CE' C (:' F < ;' A: :'
' /' /2' ' + ')' 96(' 9!' (;:' < C B' =6(' (;:E'
< B6@:B' (;:' :D?: 9 ' (9' < 6:' C ' 9 B: ' (9' ;^D' ' A<(;B CA' =< '
!9 @: ' C B' (;:E' (;: ' 9=(C< :B' 9D:' @9D?: C(<9 ' !9 ' (;:< ' 9 : '
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NC : ' 1C;<D ' C B' : :A;: :' < ' (;:' < C B ' 9 ' (;:' ? :C' (;C(' (;:'
9 (6F6: :' ;CB' C<B:B' C B' C=:((:B' (;:' < C <9 ' ;< ' AC ' (;:'
F :C(: ' BC F: ' (;:' :((:D: (' : : ' : @96 (: :B' ;:' 9 (F6: :'
(< ' D9 :' :D=<((: :B' CFC< (' (;:' 6F < <' =E' (;:' : 6 (' 9!'
(;:' ::B::) ' :U?:B<(<9 ' @9 (< 6:B' (;:< g' :!9 (' (9' B9' D< @;<:!'
(9' 9D=CE' =6(' (;:E' @96 B' :!!:@(' 9(;< F' ' &%&T' 1 ' 99 :' (;:'
39 : 9 ' 9!' (;:' < C B' !96 B' ;<D :!' (9 F' : 96F;' (9' B:DC B' (;:'
@: <9 ' 9!' (;:' @6 (9D ' B6: ' @9 :@(:B' C(' C B: C' C B' M' (;:' 9?: < F'
9!' (;:' ?C ' C(' C C' Y' (9' F < ;' (CB:' ;:' N9 (F : :' < ' :(C <C '
(<9 ' 9< :B' A<(;' (;:' 1C= C((C' ?< C(: ' F <C' < ' &%W&' ;: (: :B' C B'
: 9@9C :B' ;<D ' C B' =:FC ' (9' :!6 :' (9' . E' B6: ' C(' 1C;<D ' ;:'
F < ;' ?: < (< F' < ' (;:< ' @ C<D' (9' (;:' @9D? :(:' @9 (9 ' 9!' (;:'
M' 1C;<D' < : Y' 9 ' @ ::>' (;:' 9 (6F6C :' < ' &%WW' 99DD: 9:B' ;9 [
(< <(<: ' =E' !< < F' 9 ' (;:' !9 (' 9!' 1C;<D' C B' 9 ' 9D:' F < ;' =9C('
;:E' C 9' =6< (' C' =C((: E' C(' 99 C' A;<@;' (;:' F < ;' B:D9 < ;:B'
;:' : B' 9!' (;< ' ?9((E' AC !C :' AC ' (;C(' (; 96F;' (;:' < (: !: : @:'
9!' (;:' F < ;' F9 : D: (' (;:' 9 (6F6: :' <@: 9E' C(' 39C' AC ' < "
W

(C9<: ,'(9'.< A< C'(;9'9C?(C< 'F: : C C(' C :< 'A 9' CB'=C:C'(5 :' A9 (' : :DE'9!' (;:' F < ;' C B' 99 'C!(: AC B ' (;:' 9 (CFC: :' CC; :'(9' ;9 B' (;:< ' F 96 B' CFC< ('(;:'@9 (C (E'F 9A< F'?9A: ' 9!'(;:' ; C; C<(C '@:C :B'(9';:'@C?C= :'9!' F< < F'!6 (;: C 9EC @:' K<(;'((<<: :'!9 :<F '!9: '(9'!<F;(' CFC< (' (;:' F < ;' @99?:B' 9?' < ' (;:< ' <((:'< C B'!9 ' C' 9 F' (<D:'@9 1' DCb:= (' DC ' ;:CBACE' ' =6(' (;:E' 6 B: (99B'(;:' :C' C< :' C B' @C?C=< <(<: ' 9!' 9D=CE ' C B' @ F' (9' <(' A;< :' 2C; C((C:' 19F6 ' C B' 9 (6F6: :' 69:::B:B' < 'D< < F' 9 :' C 9(;: ' ' 9D=CE'(;:' F < ;' K: :' (;:< ' 9A ' DC (: ' A;<@;'(;:E' :96 B' 9(' =:' C<B' (9'=:' C(' 6 C(' A;: :' (;:' :((:D:6(' AC ' C('(;:' D: @E'9!' (;:' 19F6 ' F9 9 9 ' A;9'9 ' : : C '9@@C <9 '? 6 B: :B' C B' <D? < 9 :B'(;:' 3DC?C E) ' 9!!<@: '' C B' 9':C E' C ' !< !' 9 B: ' 96('(9' (C !: '(;:' :C('9!' C:!<'(' F9 : D: (' !9' K: (: ' B<C' ! 9D C C(' (9' 9D=CE ' A;<@;' C (CD' ;C < F' =:: ' @9 V6: :B' =E'(;:' 6(@;' AC ' B:@C :B' (9' =:' M'(;:' :C('9!' (;:' ?9A: ' C B' (CB:'9!' (;:' F < ;' C(<9 ' < ' (; ' C (' B<: Y' ;:' 6(@;';CB'C('9 :'(<D:' :?('C'! ::('(9'(C>:'?9 : <9 ' 9!' 9D=CE ' =6(' !96 B' (;:' !9 ('(99' (9 F E'F6C B:B' !9.(;:D'(9' C((:D?('C E(;< F'CFC< ('<(

K ;< :' : FCF:B' < ' B:!DUB< F' <(:!' CFC< (' 9' DC E' !9 :<F ' : :D<: '(;:' < C B' (< 'DCB:' 9D:'? 9F : ' < ' <(' ;9D:' C!!C< ' 'D< (' C B' ?9 (' 9!!<@:' A: :' : (C=< ;:B' < ' &TOT' (;:' D< <(C E' !9 @:' AC ' < @ :C :B ' C B'(;:' : : 6:'?6('9 'C'=:((: '!99(< F'@' C'(CU' 9!'9 :' 6?::'?: 'C 6D' =:< F' : <:B'9 ':C@;' ;9?>::?: ' 'CBB<(<9 ' (9'B6(<: '9 ' ;<? 'C B'!< ;< F'=9C(9D: (<@' B< : <9 ' ;9A: : '+S:<FA ' A;9' @9D DC B:B'(;:' ' g (99? ' ;C < F'C(' 9 :' (<D:' D6(< <:B B: (' : <B: @E'+&%OOR' H6>: ' ?9 : <9 ' 9!' (;:' < C B ;9 B< F'<('!9 ' (; ::' E:C ' A;< :' (;:' V C <': ' 9!'(;:' 9 B' C B' :A' C (' B<C' 9D?C <: ' C=96('(;:' (CB:' (; :A' (;:' :(:D: (' < (9'C' (C(:' 9!' C C @;ER'@;:@>:B' !9 'DC E' E:C '(;:' ? 9F : '9!' 9D=CE ' N< C E ' < ' &%OO'(;:' (A9' @9D?C[<: ' A: :' !6 :B' < (9' (;:' \ <(:B' C (' B<C'. 9D?C E'CC!' (; ::

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:U?9 :B' ;<D :!'=E'(;:'@;C @:'9!'B< @9D!<(6 :'B6 < F'(;:'A;9 :'9!'
1C @;' C B' ? < ' ;:'? : :B'(;:' <:F:'=E': : E'?9 <= :' :U: (<9 '
6D=: 'A: :'BC<E' >< :B' < ' ;< ' =C((: <: ' C B' (: @;: ' A;: :'
;: 'C B' ;6F:' (9 : '(; 9A '! 9D'D9 (C 'B<B'(: <= :' :U:@6(<9 '
;:' 6D: 96 ' F6 ' 9!' (;:' =: <:F:B' A: :'C(' C (' < : @:B 'C B'C'
= :C@;';CB'=:: ' :!<:@(:B'< '9 :'9!' (;:' @ (< ' =6(' <(' AC ' 9('
E:(' ? C9(<9C= : ' =:' D< : ' 9!' (;:' =: <:F: ' A: :' :?:C(:B E'
@96 (: C@(:B' ' C(' : F(;' !< :' A: :' ? :?C :B'=C(' 9' >< ! E<'
(;C('(;:'!<'9 E' ?C (<C E' :U? 9B:B' C B' 9!' (; :;' D< : ' @ 9 :'
(9F:(;: ' < (: B:B'(9' =:'!< :B'C('9 @:'(A9'9 E'A: (' 9!!' ;: :'
;9A: : 'DCB:'C' : E' C F:' = :C@;' A;<@;' (;:' \C; C<(C' (99?'
: 9 6(: E'C B'? 9D?(E'D96 (:B'A;: '(;:' :DC< < F'D< : ';C < F'
@C6F;(' !< : ' = :A' ;6 B :B ' 9!' (;:' C C< C6('< ' (;:' C< ' ;:'
9 (6F6: :' ! 6 F' C'V6C (<(E'9!'=C B'F : CB: 'CD9 F ('(;:'@ 9AB '
< '(;:' :C 'A;< ('(;:E'?<:B'(;9 :' K ;9' ;CB' C @: B:B' A<(;' DC H'
>:(E' C B' B 9 :' (;:D'=C@>'A<(;' D 9;' C6F;(: ' =:'B:!: @: '
A: :' :?C< :B' A<(;' C C@ <(E'(;:'=: <:F: ' :(6 :B' (9' (;:' C((C@>'
=6('=:!9 :'C((:D?(< F'C 'C C6 ('C('(;:'!9 D: '= :C@;'('(;:' :DC< '
< F' D< :' 6 B: ' (;:' (9A: ' 9!' (' :=C (<C 'A;<@;'=CB'2 '

C(9(:B' 6 B: ' (; :' 6?: < (: B: @:' 9!' 1 6 ;C ' C9' 29 > <' AC ' !< :B ' ;C ('(; :'=C (<9 ' AC '= 96F;('(9'(; :' F 96 B 'C B'(; :'C C< C (' C!(: ' 9 < F' (A9'9!' (; :< '@9 96 ' C(' C (' :!!:@(:B'C' 9BFD: (' ; :' =: <:F:B' ;9A: : ' C (;96F;'!9 (E' 9!' (; :< ' 6D=: ' A: :' >< :B 'C B' 6?AC B '9!' 9 :' ;6 B :B' C B' (; < (E' A96 B:B'C('(; :' = :C@;'?!' (' :=C (<C 'B< ?6(:B' : E' < @;' 9!' F 96 B '(; :A' 6?'C' :(: 9; D ;('9 'FC=<9 :'C B' D96 (:B'! : ;' F6 ' ! 9D' A ;<@;' (; :E' >:?('6?'C ' < @: C ('!< :' ('C ('A9 '96('=E'!C(<F6:'C B'B< (: :B'!9 'AC ('9!'? 9 < <9 ' (; :' :C' !C@:' =:< F' = 9@>CB:B'=E' 1C C :' F <C ' (; :E' : ('9!!: '9!' @C?<(6 C(<9 ' A ;<@;' A: :' C@@:?(:B' 9 '(; :' &T(=' 9!' ; CE 'C B' :<F; ('BCE 'A: :'C 9A:B'(9' :D=C >' (; :< '?< C(:'? 9?: (E' C B'!CD< <: ' ; :' 9 (6F6: :' 9 ('< '>< :B'C B' A96 B:B 'C@@9 B< F' (9'(; :' 1C; C((C'C@@96 ('<F; (' ;6 B :B' D: 'A ;< (' ;<D C<:' ??C' C@> 9A :BF: '=< '9A ' 9 ' C(' 6?AC B' 9!' !< :' (;96 C B '! 9D'(; :' @9D D: @: D: ('(9' : B' 9!' (; < ' :DC >C=: :' <:F:'" (; :' D9 (' <F9 96 ' : : ' ? 9 :@6(:B' =E' 1C; C((C ' ; :' 9 (6F6: :' 9 E' : 6D: C(:' (; :< ' 9 ' C(' (; :' C (' = :C@; ' ; :' @C?<(6 C(<9 ' AC ' DCB:' =E' C?(C< ' B:' 96QC' : :< C ' (; :' CD:' 9!!<@: ' A ;?' =:!? :' B?!: B:B' C C ' < :< C' B:' 1 : :Q: ' (; :' 9DDC B< F' 9!!<@: ' ;C < F' =: : ' >< :B' B6 < F' 9 :' 9!' (; :' C C6 (Y' 6('C ' D:' C<B' 9!' (; :' 9 (6F6: :' M' (; :' A9 B' 9!' (; :< ' C @<: ('C 96 '=CB' 9 F' @C >: :B' < '<(' ?9<(Y' ; :E' ; CB ': : 'C('(; :' : B' 9!' (; :' &%(;'@: (6 E '@:C :B'(9' C@('9!!: < : E' CFC< ('(; :' @96 (E' ?9A: ' C!(: ' C ' :U?:B<(<9 ' 6 B: ' (; :' <@: 9E' 9!' 39C' ;CB' =:: ' !9 @:B'(9' :(:C('A<(;' 9 ' 9!' C (< : E' C B' =CFFCF:' =E' < C :' ' C B'(; :' @C?(6 :' 9!' C :< ' (; : :!9 : ' ! : :B' 9D=CE' ! 9D'C' @9D[D: @<C ' < C ' A<(; 96('DC><F' (; :' F < ;' C! C<B'9!' A ;C('(; :' 1C; ' C((C 'D<F; ('B9'CFC< ('(; : D

' &%T&' C' (:C(E' D6@;' D9 :' <D?: C(< :'< ' (9 :' (; C ' (; C(' ' &%#T' AC '@9 @ 6B:B' =E' (; :' F < ;' A<(;' (; :' : ; AC' 1CB; C C9' =< B< F' (; :' C((: '(9' DC>:' :?C C(<9 '9 ' C 9A' (; :' F < ;' (9'(C>:' '<('!9 ' (CF: '9 '@96 (E'@ C!(' @C E< F' (; :' F < ;' ! CF' (9'F< :' ?' B: : (: ' (9' C=C B9 ' (; :' @ C<D' (9' (; :' !6 ' ?9 : <9 ' 9!' C ' A :@> '9 '(; :' 1C; C((C'@9C ('C B' (?' @:C :' ;9 (< <(<: ' CFC< ('(; :' : :B :' '5 :: C ' K ;9' ;CB' ?A' =:@9D:' (; :' ; 6D= :' C E' 9!'(; :

9D=CE' 3 : K : (' '!:A'E:C 'C!(: AC B '39 : 9 '29 =E' C B' 96 @<'C((:D?(:B' 9D:(;< F'D 9;' DD':': (: ? < < F'(;C '(;:' :B6@[(<9 '9!'!9 ('C B'?:((E' (C(: ' C 9 F' (;:' :C':9C (' '(;9' B:C(;'9!'

/(; '%< ('1C; C((C'K C 1CB;C C9' : ;AC' ;< ' 6 @ :' CF;6" C(;' C9' 9 ' CF9=C' 6 6 ?:B' (;:' (; 9 :' =6(' =:< F' B < : ' ! 9D' 99 C' (;:' @C?<(C' 9!' (;:' : ;AC ')' =E'C'?C (E'!9 D:B' < '!C 96 '9!' (;:' 6@@: <9 '9!' C'?9 [(;6D96 ' 9 ' 9!' 1CB;C C9' ;:' =96F;(' (;:' ;: ?' 9!' (;:' 9D=CE' 39 : D: (' (9' :? C@:' ;<D' 9 ' (;:' (; 9 :' =E' 9!!: < F' (9' @:B:' (9' (;:' F < ;' 9C@;' < ' 36Q: C(' 5CD=99 : : ' C B' ?CB' C '" :< ' C B' C ' <(' B:?: B: @<: ' M'(;:' A;9 :' C B': (< :'< C B' 9!' C :((:Y'C B'(;:'< C B '9!' C C C'S: : E' :?;C (C'C B' 29F' C B'< ' 9D=CE';C =96 ' 2 : :'C(' C ('<(' : :D:B'(9' 1 ' 29 =E' AC ' (;:'9??9 (6 <(E' 9' 9 F' B: < :B' 9!' C@V6< < F' !9 ' 9D=CE'(;:' B9D< <9 '9!'C '(;:' :<F;=96 < F'< C B ' '. <B: \ (' ;CB'A:' :C ' ! 9D' 3 C (' 6!.'? : <96 E' =:: ' : (' =E' (;:' 96 (' 9!' < :@(9 ' (9' 99 C' (9' 9=(C< ' ! 9D' (;:' : ;AC' M'?9 : <9 '9!'(;:' < C B' 9!' C :((:' (;:' ?9 (' 9!' C :< ' C B' (;:' DC ' < C B ' 9!' S: : E' 29F' C B' :?;C (C' C B' C C C' ;:' CB C (CF:' 9!' (;: :' < C B ' AC ' 6 (E' @9 <B: :B' 9!' F :C(' <D?9 (C @:' < ' 9 B: ' (9' ? :@ 6B:' 9(;: ' C(<9 ' ! 9D';C < F' C@@: ' (9' (;:' ?C@<96 ' C B' :U@: : (' ;C =96 ' 9!' 9D=CE' =E' !C ' (=:' D9 (' @9D D9B<96 ' ?9 (' < ' B<C ' (' AC ' C :CBE' : := C(:B' !9 ' <(' B9@>EC B ' C B' AC ' A? 'CBC?(:B' (9'=:@9D :' (;:' DC (' 9('9 E' !9 ' (;:' 6?? E' 9!'(;:'< (: <9 '9!' K : (: ' B<C ' =6(' (;:' :D?9 <6D' 9!' (;:'(CB:' A<(;' ;< C ' (;:'@9C ('9!' : <C ' C=<C ' C B'(;:' :B' :C ' ;:' 9@@6?C(<9 '9!' C :((:' <>:A< :' :@6 :B'(;:'? < @<?C '< :('(9'(;:' 1C; C((C'@96 (E ' !9 'A99 : ' C B'9(;: ' (C? : '9!' F C B ' A ;<@;' C :' C<B' (9' ;C :' =:: ' C(' (;C(' (<D:' 6?? <:B ' (9' (=:' CD9 (' 9!' !96 (:: ' C>; '9!' 6?:: ' C 6C E' ;:' :U?: : ' 9!' (;:' 9D=CE' : (C= < ;D: (' !C ' :U@::B:B' (;: ' :@:<?(' C B' <(' AC ' ;9?:B' (;C(' =E' (;:' ?9 : <9 ' 9!' (;9 :' ? C@: ' C B' (;:' 1C; C((C' ;C :'9!' (=:' : : 6:'9!' 6 C('(;:'=C C @:'A96 B' =:' :C E' :V6C I

;' 3 C (' 9!<!' CE ' 99 C'=:@CD:' (;:' @C?<(C '9!'(;:' SC; C((CC'< ' !T0 ' A ;: ' (=' 6? :D:'C6(;9 <(E'9!'(;:' : ;AC'AC 'F: : C E'CBD<((:B

' 9'? 9F : ';CB' =: : ' DCB:' A<(;' (; : :' :F9(<C(<9 ' C' (:C(E' 9!' C <C @:' A<(;' CF9;C' AC ' ?: : B< E' <F :B ' C B' (; :' F < ;' =: FC ' S966<$ (; :' !< (' 1C; C(((C' AC ' C C' AC ' (C>: '=E' (9 D ' C B' (; :' FC < 9 ' ?6(' (9' (; :' A9 B ' C B' C ' C :((:' C B' (; :' DC : ' < C B ' A: :' 9@@6?<: B ' ; :' 39 : 9 '3 : : C ' ;9A: : ' KC : ' 2C (< F ' B< C?? 9 :B' 9!' (; :' 9D=CE' (:C(E' R C B' ;< ' CF: (' 9 9 : ' 2?(9 ' <F :B' C(' 99 6 B ; 6 ' < ' &%%T' C' (:C(E' A<(;' (; :' 1C; C(((C' 39 : D: ('C 6 < F'C ': FCF: D: (''A<(;' CF9;C '9 '@9 B<(<9 '(; C((' (; :' F < ;' A: :' 9('B< (6 =: B' < '(; :'?9 : <9 '9!' 9C@;' +@C?(6 :B' =E'C C6 ('C!(: ';C B' !<F;(< F '< '&%%WR' C :((: ' C C C'G :?;C (C' C B' 29F' C B' C :< ' :DC< :B' < '(; :' ;C B '9!' (; :' 1C; C(((C ' < ?6(: ' 99 ' C 9 :' C=96('(; :' :U:@6(<9 ' 9!' (; :' (:C(E' C B' < '&%%O' 39 : 9 '29 =E' DCB:' C'! : ;' (:C(E' A<(;' CF9;C' (<?6 C(< F'!9 ' (; :'@: <9 ' 9!' C :< ' C B' : : E' C 'A: ' C ' (; :' 9(; : '< C B ' C B' ? 9D< < F' (9' C < (' ;<D' A<(;' C' !9 @:' 9!' J&CCC' D: ' ' C ' (; : :' (:C(<: ' (; :' :U@ 6 <9 ' 9!' (; :' N : @;' ! 9D' (; :' 1C; C(((C' (: <(9 <: ' AC ' 9 :' 9!' (; :' (<?6 C(<9 ' (; :' : ;AC' C ' A: ' C ' (; :' F < ;' 39 : D: (' ;C < F'=: : 'C C D:B' =E' 6 E) ' 6@@: : ' < '(; :' :@@C

39 : 9 '29 =E' C' CFC@<96 'C B'!C ' : :< F' DC ' ;C ' :U? C< :B' 9 <@E' 9((:' 9 :DD: ('9!' 9D=CE ;< '?9 <@E' (9AC B ' (; :' 1C; C(((C ' < 'C' D< 6(:' 9!' (; :' &O(;' 9!' @(9=: ' &%%%' V69(:B' =E' 3 C (' 6!('M J1C; C(((C' C!!C< Y' ; :' :DC > 'M 'C :'!C (' : F< F'(9' C' ?: (<9BA ; <: ; D6 ('@9D ?: ' (; :' F < ;' C(<9 ': <(; : '(9' (C>:' 9D:'C@(< :'C B'B:@< < :'?C ('< (; : D ' 9 ' : < V6< ;'!9 ': : 'C ' ;9?: '9!' =: ((: < .'(; :< '9A ' <(6C(<9 '< '(; :' A: ('9!' B<C Y' ; :' : FC '39 : D: ('AC ' 9A'=: ((: '< !9 D:B'9 ' (; < ' 6= :@(' C BKC : '2C (< F '9E: 6 < F(; :' :C 96 '<D?C(<: @:' ;9A '=E' 1 'N C @< 'C B' E' E :' 99(:' 9!' (; :'< B:?: B: ('C@(<9 ' :@9 B' 1C; C(((C' KC 9!' 9D=CE' C @(<9 :B' (; :' :A' (:C(E' A<(;' CF9;C' C B' B: ?C(@; :B' C' !9 @:' 9!' <U' =C((C <9 ' 9!' : FC ' :?9E ' 6 B: ' 9 9 :' 39BBC B' C@ 9 ' B<C' (9' (C>:' ?C (' < ' (; :' @CD?C<F ' 6(' (; :' 9D=CE' 39 : D: (' A<(; 96(' AC<(< F' !9 ' (; :' C < C ' 9!' (; < ' !9 @: ' !9 D :B' C' :?C C(:' :U?:B<(<9 ' 6 B: ' 9 9 :' F: (9 ' C ' 9!!<@:

A ; 9' AC ' :CF6 : B' A<(; ' (; :' N: ; AC ' @9(?C :B' (; :' :C ' F6C B' (9' C'
:B' AC ' M' A ; <@ ; ' AC ' 9' 99 : ' =:C(: ' B9A ' (; C ' <(' AC ' < (C (E'
=6< (' 6?' CFC<)H' ; :' 9D=CE' 39 : D: (' :?6B<C(:B' (; :' @9 : [
(<9 ' C B' B< D< :B' 1 ' CDC9' C B' 99 : ' F: (9 ' C B' 9@>=6 '
! 9D' (; :' : <@: ' 3: : C ' 39BBC B ' A ; 9' ; CB' :C@ ; :B' 29 ; 6 F''
C=CB ' A ; : ' ; :' ; :C B' (; :' :A ' DC @ ; :B' (C<F ; (' 9 ' (9' 6 . ' C' B< [
(C @:' 9!' *00' D< : ' (; 96F ; ' 1C ; C((C' (: <(9 E ' A<(; ' (; :' 6(D9 ('
:U?:B<(<9 d' C B' 6((: ; ' < F' 3C:>AC ' ; C < F'5$: : ' !9 @:B' (9' !9 D'
C ' 9!!: < :' C B' B:!: < :' C <C @:' IA<(; ' (; :' F < ; ' 3: : C ' 3SBH
BC B' C((C@>:B' C B' (99>' =E' (9 D' (; :' !9 (<!<:B' @<(E' 9!' ; D:BC=CB '
(; : ' ; : B' !9 ' (; :' N: ; AC ' C B' FC< :B' 9<<<3' .C@@: : ' 9 : ' 9< B<C) '
C DE' < ' 3CQ: C(' ' &%O&' (; :' F < ; ' ; C <<. ' < ' (; :' ? : <96 '
:C 9 ' :<Q:B' 3C <C ' 9 ' (; :' DC< ' C B' 9!' (; :' 39 @C ' 3: : C '
; :' F\ ; ' 6 B: ' 3: : C ' 39BBC B' AC ' 9 B: :B' (9' =: <:F:' C :< '
39BBC B' =: <:F:' C B' ' X ' ; :' 6 9?:C ' ?C (' 9!' ; < ' C ?E' AC '
C :< ' FF ' C :((:' =E' :C ' (; :' =C(
(C < F' (C< ' AC ' ? :?C :B' < ' ?D=CE ' F B' (; :' :?9E ' A: :'
(9' DC @ ; ' =E' C B ' C E' < ' @(9=: ' (; :' A ; 9 :' 9!' (; :' B< ?9 C= :' !9 @:'
C(' 9D=CE' C B' < ' (; :' :<F ; =96 ; 99B ' @9 < (< F' 9!' !< :' =C((C <9 '
A: :' ? C@:B' 6 B: ' (; :' @9DDC B' 9!' <:6(: C (' 99 : ' 2C (:E '
A ; 9' AC ' < (6@(:B' (9' B < :' 96(' (; :' : :DE) ' ?9 (' C B' @9 : ' C '
D6@ ; ' 9!' (; :' 396 C ' C ' ?9 <= : ' 9' C ' (9' : C= :' (; : ' CF: (' 9!' (; :'
9D=CE' 39 : D: (' (9' @9 :@(' C' ?C (' 9!' (; :' : : 6: ' C B' :@6 :' (; :'
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?: ; C? ' 9' ?C (' 9!' 1 ' 29 =E) ' D< 6(:' D9 :' :U? : < :' 9!' (; :'
B< (: ' 6 B: ' A ; <@ ; ' (; C(' 39 : D: (' C=96 :B' (; C ' (; C(' A ; : :'
C 6B< F' (9' (; :' !<: B' !9 @:' (; :E' A: :' ? :?C < F ' ; :' 9= : : ' 8' 6 '
(99? ' 'A< ' =:((: ' =:C ' 6 < F' < ' C :C ' A ; : ' :D? 9E:B' 9 '
C@(< :' : <@: ' C B' 6= < (< F' < ' (; :' : :DE) ' @96 (E ' !9 '
<(' < ' C' ? < @<? :' A<(; ' (; :' <(< ; ' +59 :DD: (' C B' <('
9!!<@: ' < ' B<C ' (; C ' A ; <@ ; ' 9(; < F' ; C ') ' (: B:B' (9'
(; :' C(<9 C ' @9: ' C ACE ' (9' @9 <B: ' (; :' ?:C C (E' \ B: '
(; :< ' (<@(: (' ? 9(:@(<9 I' 99 : ' 2C (:E' !9 F ; (' C' ?< <(:B'
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. B' (; : ' @9 : :B' <(=' d<<C' !9 @:' (; :' F<:F:' ?!' C :<

CFC< (' AK9;' ? C@:' (!: : C ' 3!9BBC B' ;CB' 9?: :B' :F6 C ' C?? 9C@;: '! 9D'(;:' 9 (;' ;:' 1C; C((C ' < 'F :C(' !9 @: ' CFC< ' < CB:B'(;:' 9 9C 'C B'C((C@>:B'(;:' @9 : < F' C DE' =6(' 2C (:E' B:!:C(:B'(;:D'A<(;'F :C(' 9 'C B' C :<C' 6 : B: :B' 9 '(;:'&&(;' :@:D=: '&%O&' ;:' ?9 <@E'9!'(;:' 39 : 9 '3: : C ' AC ' 9A' (9' DC>:'?:C@:'A<(;'(;:' 1C; C((C ' < ' 9 B: ' (9' B:(C@;' (;:D'! 9D'(;:' @9 !:B: C@E' 2EB: ' <'9!' 1E 9 :' AC '(E< F'(9' !9 D'CD9 F'C '(;:' C(< :'?9A: '9!' B<C'CFC< ('(;:' F < ;' C B'(9'(6 ' (;:' A;9 :' F < ;' (: F(;'CFC< ('#EB: ' 3: : C '39BBC B'AC ' C;99 B< F E' B< :@(:B' (9' 9!!: ' (: D ' (9' (;:' 96 (' C(' 99 C ' A;< :' @< B<C' AC ' <F9 96 E'C((C@;:B' < ' ;< '9A ' B9D< <9 ' =E'C 9(;: ' B< < <9 ' 6 B: ' 9 9 :' CDC@' ' (;:' ;9?:' 9!' = < F< F' :F9(<C(<9 ' A<(;' (;:' : ;AC' D9 :' V6<@> E'(9' C' @9 @ 6 <9 ' 3: : C ' 39BBC B' `9BBC B'CB C @:'(9'(;:'99(' 9!'(;:' ;9 :' ;C6(

CB C @:B' A<(;' C' !9 @:'9!'W&ABD' D: ' < @ 6B< F' TOO' 6 9?:C ' (9' (;:' < ' CF:' 9!' CD?99 ::' C(' (;:' !99(' 9!' (;:' ;9 :' 3;C6(' A;:' :' ;:' ;C (:B' ;< ' C DE' : B< F' C ' CB[C @:' F6C B' 6?' (;:' ?C ' (9' ;C BC C ' C C' 6DC : ' (;:'@: := C(:B' 1C; C((C' D< < (: ' A;9' B6 < F' (;:' D< 9 <(E'9!' (;:' : ;AC' B< :@(:B' (;:' 1C; C((C' CBD< < (C(<9 ' B< :@(:B' ;< ' C DE' 6 B: ' (;:' @9DDC B' 9!' 26 E' 6 (' C B' 99>C ::' 29>C ' (9'DC @;'(9AC B 'S;C BC C' ! 9D' 99 C ' C B' : (' B9A ' C' (9 F' B:(C@;D: (' < (9' (;:' 9 9C '(';C C ' 39BBC B) 'C DE' C B'9= (6@(' (;:'@9DD6 <@C(<9 ' A<(;' 9D=CE' ;:' 6FF:B'C B' B<!!<@6 ('@96 (E':(A:: ' C A: ' C B' CD?99 ::' !C 96 :B' (;: :' (C@(<@ ' M' (;96F;' (;:' 9CB'AC ' (;:'=: ('< '(;:'@96 (E'<('AC 'C' D: :' ?C(;ACE' (; 96F;' C'(C@(' :U@::B< F E' 6FF:B' !6 '9!'B::?' C < :' C B' B: ' (9 F' 6 F :' 9 ' (;:' <F;('C B' :!('C B' ! :V6: (E' ;<F;' 9@> ' C B' ? :@<?<@: ' A<(;< ' D6 >:(' ;9('9 ' =9(;' <B: Y' C (<: ' : @9 (< F' @9 9E ' ! 9D' 9D=CE' 9 E' :C@;:B' CD?99 ::' C!(: ' !<F;(< F' B: ?: C(: E' (;:' A;9 : ACE ' C B' C ' (;:' C< E' :C 9 ' AC ' C?? 9C@;< F' 3: : C ' 39BBC B' B:(: D< :B' (9' :(:C(' 9' 99 : ' B<B' ;:' D9 :' (;C ' (;:'A;9 :' 1C; C((C'C DE'?96 :B'B9A ' < (9'(;:' 9 @C ' C B'<(' AC

9 E'C!(: '!96 'BCE '9!' @9 (C (' !<F;(< F' (;C(' (;:' C DE' DCB:'<('
ACE' (9' C A: ' M' ' (;< ' :(:C(' ; AE' 91 .' HH :(:C(' A<(;' (;:' 1C; C((C ' @9 <B: ' 9 :' 9!
(;:< ' D9 (' <F C' <@(9 <: ' 3: : C'
39BBC B) 'C DE' 6 (C< :B'C';:C E' 9 '9!',TT'< '>< :B'C B'A96 B:B'
9!' A;9D'&O'A: :' 6 9?:C '9!!<@: Y' ;:' 1C; C((C ' @C<D'(9';C :'
(C>: ' 9 :'F6 ' : : C'(6D=< ' C B'C'F :C(' ?C ('9!'(;:' =CFFCF:'
I=6(';:<'9A ' 9 '< 'D: 'C B';9 :'AC ' : E';:C E

;:' F< ;' !9 @:' : @CD?:B'C(' C <C ' (9 '(;:' D9 99 '('C B'
:C99'DCB 'A<(;'(;:' 1C;" <F;(< F'AC ' 9(' : :A:B'< ' (;:'!C< '
C((C ' ;E' :C(E' 9!' C<=E:' :C 9 ' ' 1CE'&%OW'(;:' :C(E' !
+ %OCR ' C<=E:'AC 'DCB:'A<(;' (;:' 1C; C((C
E'(;< '(:C(E' (;:' F< ;' C(' C ('FC< :B' ?: DC : (' ?9 : <9 '
9!' < C :((:' :?;C (C ' C C C' C B' 29F' C B ' =6('FC :'
=C@>' C :< ' C B' C ' (;:< ' 9 V6: (' < ' 36Q C(' (9' (;:'
: ;AC' C B' DCB:' 9 : ' 9C@;' (9' @< B<C ' ;:' 1C; C((C '
9 ' (;:< ' ?C (' CF ::B' (9' =:@9D:' C <: ' 9!' (;:' F< ;' CFC< ('
1E 9 :' C B' (;:' : ;AC' ? :BF:B' ;<D : !' (9' ;9 B' 9' < (: '
@96 :' A<(;' 6 9?:C ' 9!'C E' 9(;: ' C(<9 ' ;:' @C6 :'9!' CF9=C'
AC ' B:!< <(< : E' C=C B9 :B' =E' (;:' F< ;' C B' ;:' =:@CD:' C'
?: <9 :' 9!' (;:' : ;AC ' ;:' (:C(E' KC ' C' F99B' (9>:' 9!'
<D?: <C ' ?9 <@E ' !9 ' <(' :(' (;:' <. < ;' ! ::' (9' B:C ' A<(;'
2EB: ' <' :?C C(: E' ' =6('< ' ?<(:' 9!' 9D:' < 2C (' !:C(' 9!'
C D ' ?: !9 D:B' < ' `6Q: C(' (;:' 9 @C ' C B' : (C ' B<C' <('
@C 9(' =:' C<B' (;C(' (;:' :?6(C(<9 ' 9!' (;:' <(< ;' C D ' ;CB' =:: '
C< :B'=E'C'AC '< ' A;<@;'(;:E';CB' 6!!: :B'(A9' 6@;' : : : 'C '(;:'
@C?<(6 C(<9 ' 9!' K(<<"FCD ' C B' (;:' :(:C(' 9!' 3: : C ' 39BBC B'
;: :'B< C (: ' A: :'? C< E' B6:'(9'(;:' D99D?:(: :E' C B'AC ('9!'
: (: ? < :'9!'(;:'9!!<@: '< '@9DDC B' A;9' E (:DC(<@C E' 9 : C(:B'
(;:' (: F(;' 9!' (;:' : :DE' (;96F;' (;:' 1C; C((C ' A: :' C ACE '
=:C(: ' :C < E' A;: ' (;: :' AC ' C E' C@(6C ' !<F;(< F' ;: :' AC '
C!:(E'< ' CFF : <9 '=6(' 9 :'< ' :(:C(' =:!9<":' C ': :DE' V <@> E'
: C(:B'=E'C E' <F '9!' B< @9 CF:D: ('CD9 F'(;:< 'CB : C <: ' 'C B'
;CB' 9D:'9!'(;:'= C :'E96 F'9!!<@: 'K;9'@;C!:B'C(' 99 :' F: (9)C

< : 9 6(<9 ' =: : ' < ' @9D DC B' C(' 6 EFC (' (; :' <(< ;' !@ 99' A9 B' ;C :' : (: :B' 99 C' C ' @9 V6: 9 ' < (:CB' 9!' =:< F' : (' =C@>' < 'B< F C@:' (9' 9D=CE ' ; : :' @CD?C<F ' C :' 9?: ' < ' !C@(' (9' (; :' CD :' 9 (' 9!' @ <(<@< D' A ;<@;' < ' (; 6 ' K : : :E' A 9(:' (; < (E' E :C 'C!(: AC B ' 9 ' 9 9 :' 19 9)' :(:C<' =: !9 :' 29 >C ' < ' C' DC (: E' :((: ' A ;<@;' < ' ' : : ' C<B' AC ' (; :' =: (' D < <(C E' :((: ' ; :' ;CB' : : ' :CB ' C B' A ;<@;' B:@<B:B' < ' ;C : ' C?<: ' C ' ; :' (C(:B' C!(: ' (; :' =C((:' 9!' 1 :C : : ' M' : : ' (9' :(< :' =: !9 :' C ' B<C 'C DE Y

; :' F < ;' 9 (?9 (' A : :' 9A ' C' ; 6 B :B' C B' (A : (E' E :C 'C!(: ' (; :' : <9 '9!' 9D=CE ' CB C @:B' C 'IC H F \ ;' 96(?9 (' CB C @:B' < C B' C ' C((C ' C' (C(<9 'WO' D < : ! 9D' (9' C DC' +&% WR' 9D=CE' 9 '(; :' 3 :C(' B<C ' : < 6 C C< ACE ' C B' (; :' 9D=CE' 39 : D : ('@96 B' @ C<D' (; :' 9 : :<F (E' 9!' C ' (; :' F 96?' 9!' < C B ' < ' (; :' : (6C E' ! 9D' C :< ' (9' 9 C=C' ; :' 9D=CE' 1 C < :' ;CB' : (C= < ; :B' <(' 6? : DC@E' C(' :C' C 9 F' (; :' A ;9 :' 1 C C=C ' 9C ('C B' ?6 < ; :B' (; :' 1 C C=C ' ?< C(: ' ' (; :' B< [(<@(' 9!' C >9(:' ;CB' =: @9D :' <(< ;' (: <(9 E' ' C B' 9 (;' 9!' 9D[=CE ' (; :' F < ;' ;CB' C@V6< :B' @9 <B: C= :' ?9 <(<@C ' C6(; 9 <(E' <' 36Q: C(' A ; : :' (; :' 3C:>AC ' AC ' : (< : E' B:?: B: (' 9 ' (; :D ' C B' ;CB' F9(' ?9 : <9 ' 9!' 6 C(' C (: ' 9 ' 1 C @;' ,(; '&%#P ' M' A<(;' @9 <B: C= :' 9 '9!' 9!!<@: ' C B' D : Y' (' AC ' 9(' ;9A : ' (< ' &OOO' (; C(' (; :' A ;9 :' D< <(C E' C B' @< < ' CBD< < (C(<9 ' C B' : : 6: ' 9!' 6 C(' A : :' (C !: :B' (9' (; :' 9D?C E' =E' (; :' CAC=' 9!' 6 C(' A ;9' < ' :U@; C F :' @:< :B' C' ?: <9

\ ?' (9' (; < '(<D :' 9D=CE' ;CB' !96F ; (' !9 ' ; : ' 9A ' ; C B ' = (' =:' (99? ' A : :' 9A' B : (< :B' (9' ? CE' C' 6=9 B< C(:' C B' 9(' C' : E' B< [(< F6< ; :B' ?C ('< ' (; :' F : : C ' AC ' 6 B : (C>: ' =E' (; :' 39 : D : (' 9!' B<C' CFC< (' EB: ' <' (; :' 6 : '9!' 1 E 9 :' ' 2 EB:) '!9 @: ' KC ' A<(;' 1 E 9 : ;CB' < CB:B' (; :' C C(<@' (; :' 39 : ' D : (' 9!' 9D=CE' AC ' B< :@(:B' (9' DC>' C' B< : <9 '9 '(; :' A : (: ' @9C (' 9!' 1 C C=C ' @@9 B< F E ' C ':U?:' B<(<9 '6 B: ' 9 9 :' 26D=: (9 :' AC ' B: ?C(@; :B' B9A ' (; :' 99C ' C(' (; :' : B' 9!' (; :' E :C ' &%O& ' C B' (99>' C <@6(' C B' 9 C E ' A ;<@;' < ' ! \ : !C E' B:!: B:B' CFC< (' C' @9D=< :B' C DE' 9!' N : @;' C B

1E 9 :C '6 B: '399 <' :' C E' C B' <??99' 6 (C '+ 9 '9!' 2EB: '
R' '&%OW'3: : C' 1C((;:A 'AC'
: ('!@9D' 9D=CE' A<(;' (9 F' :<@"'
' ' !9<@:D: ('C B' V6<@> E' @C?(6 :B'C
(;:' (9 F'?C@: '9 '(;:'99C ('9!' (;:'?9 < @:'9!' C C C' < 6B<9F'
29 9 :'1C FC 9 :' 6 BC?6 'C B'3C AC ' N 9D' S 9BC? ' (;:'
C DE'C @: B:B'(;:'3;C('C B'DC @;:B'9 ' :B 9 :' (;:' @C?<(C' 9!'
3C C C'A;<@;'9C?<(<C(:B'(9'(;:' <(< ;'3: : C ' DD: :'?6 B: '
AC '!96 B'< '29 9 :'C B' :B 9 :'C B'3: : C'1C((;:A 'AC'! : : E'
C@@6 :B'9!' ;C < F' ;<D : !'C?? 9? <C(:B'C'F :C('?C ('9!' (;:'(?:C :'
< (:CB'9!' : B< F'<('(9' 9D=CE' (9' =:' B< (<=6(:B' C ' ? <Q:'D9 :E'
=:'(99? '=:@CD:'B< @9 (: (:B' C B'B:D9 C <Q:B' C B' A: :' < ' 9'
!<(' (C(:'!9 ';C B'!<F;(< F'A;: '< ' ? <'&%O*' <??99'A;9';CB'D:C@"'
A=<<:'9 '(;:'B:C(;'9!'=< '!C(;: ' 99::B:B'(9'(;:'(;9 :'9!' 1E 9 :'
DCB:'=< 'C??:C C @:' :C ' :B 9 :' A<(;'C ' C DE'9!' &#0 OOO' D: "
3: : C'1C((;:A '@96 B'9 E' @9 :@('C' !9 @:' 0' W OOO' D: '=:!9 :'
;<'99D DC <9C(<9 ' A<(;'(;:'@9C ('A: :'96('9!!' 'C B' :(< < F' < (9'
(;:'@<(CB:'9!' :B 9 :'=:' (::B'C' <:F:'9!' 9 E' C' !9 (<F;(' =:!9 :'
@C?<(6 C(< F' ;:'(: D 'F C (:B' ;<D'A: :'(;C('(;:' (99? ' ;96 B'
DC(@;'96('A<(;'(;:';9 96 '9!'AC 'C B'C!(:'?<< F'C D ' ;96 B'=:'
C 9A:B'(9'? 9@::B'(9'(;:'@:C:('=6(' <??99'9 '(;:'? :(:U('(;C('(;:'
3: : C';CB':D=:QQ :B'C B' :@ :(:B'(;:'?6= <@'D9 :E K;<@;';:'96F;('
(9';C :'B: < : :B'6?' : ('(;:'A;9 :' !9 @:' C'? < 9 : ' (9' 1E 9 :'
<A;: :' 3: : C'1C((;:A 'C B'WO'9(;: ' 9D=CE' 9!!<@: ' C!(: ' =:< F'
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' 1C FC 9 :' A;<@;' AC ' B:!: B:B' =E
99. Y h.' C' C F:'FC < 9 ' 6 B: ' 1C 9 ' CD?"
=: 'A;9';:B'96('!9 ' : : C' D9 (;'
K<(;' F :C(' : 9 6(<9 ' (< ' ?:C@:' ACC' DCB:' A<(;' 1E 9 :' C('
J(;:' B' 9!' &%O*' A;: ' 1C FC 9 :' AC ' F< : '=C@>' (9' <??99'
3 C (' 6!!' ;C ' (;:' !9 9A< F' C :@B9(:' 9!' (;:' <:F:' A;<@;' < '
>9 (' @ :B<(C= :' (9'(;:' 9D=CE' C DE'"Z M' ;:' 3 : CB<: ' :?9E '
;9' C@@9D?C <:B' 2C (:E' (9' ;D:BC=CB' A: :' !9 D:B' < (9' C'
:?C C(:'@9 ? '=6(' '(;:<' :(6 ' 9 (' (;:<' CD:'9!' (;:' 3 : CL
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B<:(' C((C <9 ' C B' A: :' @C :B' (;:' <F;(;' C((C <9 ' C' @< @6 <'' (C 9:' A;<@;' :C E' @ :C(:B' C' D6(< E' < ' (;:' @9 ? ' 9' : (9 :' (;:' CD:' (9' D: ' A;9' :D9 (C(:B' < ' C' DC : ' :9' 9 B<: '' <>:' AC ' B::D:B' <D? 9?: ' '=6(' (;:E' C!(: AC B ' =:;C :B' A<(;'' 6@;' :U(C9 B< C E' C 96 '(;C(' (;:< ' CD:' 9!' 3 : CB<: ' C((C <9 ' AC ' : (9 :B' < ' &% *' ;:E' B< (< F6< ;:B' (;:D : : ' B6 < F' (;:C B696 ' @CD?C<F ' < ' (;:' 39 @C ' N9 ' (;:< ' @9 B6@(' < ' (;:' =C((:' 9!' 96C E' =E' (;:' <B:' 9!' (;:' ,W B' S:F<D: (' (;:E' :@:< :B' (;:' ;<F;: (' @9D? <[D: (' : : ' ?C<B' (9' C' :?9E' :F<D: (' 8' ;:' 9EC ' 2<F; C B: ' CE ' 9 9 : ' 1) :9B ' < ' ;< ' B: ?C(@;' 9!' (;:' - ' 9!' 9 :D=: ' AIED' >' : < @:B' (;:' C B96 ' A;<@;' C ACE ' < ?< : ' (;:< ' @?6 (ED: ' < ' =C((:' ;:' :<F;(;' =C((C <9 ' 9!' :?9E ' ;9A:B' (;:D : : ' :V6C ' (9' C E' (99? ' < ' @96 CF:' @99 : ' C B' B< @<? < :)' ;:E' (;: ' ?:(<(<9 :B' (; 9 F;' 9 9 : ' 1) :9B' (9' ;C :' (;:< ' CD:' : (9 :B' (' =C(' <(' KC ' :!6 :B ' ' (;:' !9 9A< F' E:C ' ;9A: : ' (;:' :<F;(;' =C((C <9 ' !9 D:B' ?C (' 9!' (;:' FC < 9 ' A;<@;' DC< (C< :B' (;:' ;: 9<@' B:!: @:' 9!' 1C FC 9 :' C B' (;:< ' CD:' AC ' : (9 :B' C ' (;:' 9 E' :AC B' A;<@;' (;:' <@> E ' !CD< ;:B' D: ' 9 ' (;:< ' :(6 ' (9' 9D=CE' 9 <@<(:B ' ;:E' A: :' 9 F' !9 (6 C(:' < ' C' 6@@: <9 ' 9!' :U@: : (' @9DDC B< F' 9!!<@: ' C B' 9 ' : : E' 9@9C <9 ' 9!' :: <@:' (;:' ?< <(' 9!' (:KC (' C B' 9!' 2C (:E' ;C ' < :B' < ' (;:< ' C > Y

' (;:' :@9 B' AC ' A<(;' <??99 ' A;: ' 9 B' 9 AC < ' C <:B' ;<D'.' : !' A<(;' (;:' 1C; C((C:' (;:' 9D=CE' 39 : D: (' : (' (A9' =C([(C <9 ' 9!' < !C (E' C B' <U' F6 ' (9' 99'9?: C(:' A<(;' (;:' 1C; C((C'' C DE ' A;<@;' (99>' =C AC ' C B' CB C @:B' < (9' 1E 9 :' (' (;:' CD:' (<D:' C' 9D=CE' @9 6D ' B: ' 3: : C ' =: 9 9D=E ' @ :C :B' 1C C=C ' 9!' <??99) ' (99? ' C B' :!!:@('' 9 V6: (' 9!' 1C C=C ' .' 6 @(<9 ' A<(;' 9 B' 9 KC\<

=:!9 :' : < FC?C(CD ' A;: :' ?:C@:' AC ' 99 9 CB:B ' <??99' @FB:B ' A<(;' 9(;: ' (: <(9 E ' 1C C=C ' A;<@;' =:< F' :?C C(:B' ! 9D' 1CB C ' =E' (;:' 3=C (' C B' (;:' <9B:?: B (' @96 (E' 9!' 1E 9 :' C B' ;C < F' :C E' 99DD <9C(<9 ' =E' :C' A<(;' 9D=CE ' AC ' ? C@:B' 6 B: ' (;:' 6 :' 9!' (;:' 39 : D: (' 9!' (;< ' : <B: @E ' ;:' :A' ? 9 < @:' AC ;9A: : ' B:? 9 C= E' D< DC CF:B ' C B' C!(: ' (;:' @9 @ 6 <9 ' 9!' (;:' C (<(<9 ' :C(E' 9!' 1E 9 :' < ' &%PP ' A;: ' : < FC?C(CD'

(C>B6' (<??99' C< ' C B' ;< ' >< FB9D' B: (9E:B ' (;:' :C'@9C (' ? 9 < @: ' 9!' C C C' C B' 1C C=C ' K : :' =9(;' < @9 ?9 C(:B' < ' (<:' 1CB C ' < : <B: ;9E ' 9D=CE' 9 E' :(C< :B' !9 ' 9D:' E:C ' (;:' ?:@<C ' @9 (9 ' 9!' (;:' (:C>' !9 : (' A ;<@;' 6?? <:B' ;: ' B9@>EC B' A<(;' (<D = : ' =6(' ;: ' (CB<(<9 C ' @ C<D' (9' ?9 <(<@C ' C6(;9 <(E' C 9 F' (;:' 1C C=C ' 9C (' AC ' :@9F <Q:B' =E' (;:' (C !: ' ! C C C' (9' ;: ' < ' &OT&

' (;:' @CD ?C<F ' 9!' &%PP' C' 9D=CE' @9 6D ' 6 B: ' 3 : : C ' < ' 59; ' (6C (' DC @;:B' ! 9D' 3C C 9 : : <@: ' 9!' (;:' 9D=CE' 9" (;:' 3 ;C6(' (9' 99' ?: C(:' A<(;' (;:' 6D ' CFC< (' ??99' ' &%PP' F C B' C DE' 6 B: ' 3: : C ' 2C < A ;<@;' CB C @:B' ! 9D' 1CB C ' ;< ' @9 6D ' 99 C< (:B' 9!' & T&% 6 9?:C6 ' C B' T ,WO' :?9E ' (;:' 9D?C E) ' 9D=CE' :F<D: (' 9!' 6 9?:C ' #W*' (9 F' !9 D< F' K<(;' 2 ' 1) ' % (;' C B' %%(;' :F<D :6(' (;:' : (:' <FCB:' 3: : C ' (6C (' !96F ;(' C' = < <C (' C@(<9 ' A<(;' (;:' ! 9A: ' 9!' <?? 9) ' (99? ' A ;9' (<:B' (9' =C ' ;< ' ACE' C(' :BC ;: :' C B' :C@;:B' (;:' @CD ?' = :!9 :' : < FC?C(CD' < ' (<D :' (9' (C>:' C ' <D ?9 (C (' ?C (' < ' (;:' ?: C(<9 ' 9!' (;:' <:F: ' ' (;:' !< C ' C C6 (' 9!' (;:' !9 (: ' (;:' (9 D< F' 99(6D6' < @ B:B' (; :' @9 ? ' 9!' 3 : CB<: ' :?9E ' (C>: ' ! 9D' (;:' (99? ' 9!' (;:' (; :' : <B: @<: ' ;:' 39 : 9 '3 : : C ' 9!' (;C(' BCE ' (;:' 1C V6< ' K : : :E ' C ACE ' C ' <=: C ' C ' ;< ' : ' D9 :' !CD9 ' = 9(;:' AC ' <FFC B E' 9!' ? C< :' :U? : :B' < ' (;:' AC D: (' (: D ' (9' 1 ' 59 C(;C ' 9C ' (;:' 39 : 9 '9!' 9D=CE' ;< ' C?? :@<C(<9 ' 9!' (;:' <@(9 E' 9!' :BC ;: :' B:@ C < F' (;C(' M' (;:' D: <(' 9!' 3 : : C ' (6C (' C B' 2C (:E ' C ' A: ' C '9!' 9 9 :' 196(: 9 ' C B' (;:' 9(;: ' 9!!<@: ' ;C :' : B9D' =: : ' :V6C :B' C B' : : ' 6 ?C :B' < ' B<C Y' ' :? E' (9' C ' CBB : ' ! 9D' (;:' < ;C=<(C (' 9!' 9D=CE' 9 ' (;:' F 9 <96 ' (: D< C(<9 ' 9!' (;:' AC ' 9 B' K : : :E' A 9(:' "Z M' ;:

C5)= b ((I' 69;' C

@CD?C<F ' CFC< (' <??99' D: (' 9!' 9D=CE' ;C ' =9 :' B6 < F' (;: C(:' @ < < ' < ' (;:' C=96 ' C B' ;9 96 ' 9!' (;:' @9D D9 ' @C6 : ' ;C ' :?:C(:B E' @ C<D :B' DE' AC D' C?? 9=C(<9 ' C B' A< ' : : ' =: ' :D :D=: :B' =E' D:' A<(;' F C(<(6B:' C B' : ?:@(' ' E96 ' <=: C ' CCB' E9 (C E' @99(<=6(<9 ' (9AC B ' (;:' :U<F: @<: ' 9!

E96 ' C(< :'@96 (E 'C B'(9AC B '(;9B:!: 9:'9!'(;:' : <B: @E'6 B: ' A;9 :' 39E:< D: ('E9 ' : <B:' C B' < ' (;:' C C@ <(E' A<(;' A;<@;' E96' ;C :' F<E: 'E96 ' ?: 9 C ' : E<9: '!9 '(;:' D<<<(C E'? 9(:@(<9 ' 9!' 9D$' =<E ' ' ;CE:' @9 (:D? C(:B' A<(;' ? :C 6 :'(;:' CD:' @;C C@(:' 9!'? = ' <:' ?< <(' : =((<9 'C B'C9(< <(E' A;<@;' ;C ' DC ;:B'(;:' ? : B<B' 6@@: : '9!' (;:' C DE'9!' 9D=CE' ! 9D' (;:' @9 (: @:D: ('(9'(;:' @ 9 :'9!'(;:' C(:' F 9 <96 ' @CD?C<F I' ;:' E: 6 (C E' @9 (<=6(<96' ;: :' ?9>: '9!' AC 'C' 9C '9!' D9 :'(;C ' !< ' OOO OOO'(9AC B ' ? 9 :'' 9 (<9F'(;:' AC 'A<(;' N C @:' 9'(;< ' 6D' 1 ' 5 66@C6' ;CB'@9 (<[=6(:B' 'W# OOO' ' <: ('3:9' (6C (' 'WO OOO' ' 1C 9 '3: ' 5CD: ' <E:((' '&W OOO' 1 ' CF:' +D:D=: '9!' 96 @< R ' S '&W OOO' ' C B' 1 ' +C!(: AC B ' < ' ;C : R' N9 =: ' 'O OOO' ;:' : <B: @E' ;CB' C 9' C< :B' C' 9 ?' 9!' N: <= : A CCC' /& 9!' :V6<??:B' C B' ?C<B' #O' D: ' ;< ' @9 ? ' AC ' ? C@:B' 9 ' (!C:' !<U:B' : (C=< ;D: ('9!' 9D=CE' < ' &OO*' C B' =:@CD:' (;:' P(;' :F<D: ('9!' ;!C(<E:' !C (E

;:' DC< '9= :@('9!'(;:' ?9 <@E'9!' 9 B' K: : :E' A;9' 6@@::B:B' 1C; C((C'C!!C< <' 59; ' ;9 :' C ' 39 : 9 '3: : C' <' &%PO' AC ' (9' B < :'(;:' N : @;' 96('

9!' B<C H' 9' C((C< ' (;< ' : B' ;:' 99D?: (:B' (;:' !<(CD'(9' C@@:?('C' <(< ;' 6= <B<C E' !9 @:' < ' <: ' 9!' C' N : @;' 99 (< F:6(' @ 6 ;:B' <??99' C B' :B' C ' ;<' D:C '9!' ?: 6C <9 '(9'< B6@:'(;:' : ;AC' C B' 9<6B<C'(9' =:@9D:' 6= <B<Q:B' C <: '9!' (;:' <(< ;' 39 : D: (' C C' 6 C : :' I(;:' 1C; C((C' 1C9;<C : Y' A;9' !9 ' (;:' C ('V6C (: '9!'(;:' <F;(:: (;'@: (6 E' AC ' (;:' ?<C 9< ? ?9 <(<@C' ?: [9 CF:' C(' (;:' 96 (' 9!' 99 C' C ACE' (:CB!C (E' 9??9 :B' (;:' CBD< <9 '@!'(;:' F< ;'< (9'(;:' 3:@@C ' 'C B' : : 'A;: '1CB=C ::

)' ;:' N : @;' A: :' : ; 'D9 :' :C E'F:((< F' (;:'@9 (9'9!'C ' B<C'< (9' (;:< '9A ' ;C B' (:C ' 6 (' =:!9 :' 9 B' K: : :E' !9 (6 C(:E' !9 ' (.' < (: : ('C < :B'C(' C @6((C' 9('9 E'=CB'(;:E' 6@@: !6 E' (<F6:B'A<(;' <??99' =6('C'@9 ? '9!'< !C (E'@9DDC B:B'C B'9!! 9: :B'=E'N D<@;D: 'AC ' W'(;:'? < @<?C'< (6D: ('C B' 6??9 ('Y'9!'(;:'?9A: '9!' 9< B<C' A;9' 6 :B' =9(;'C(' 99 C'C B' : ;<'C 'DC (:'9!'(;:' : :AC'C B'(;:' D?: 9 'C B'A;9' ;CB'< '(;:' =C(:'9!' S6 B C;' +&%P#R' @9D?: (:E' B:!:C(:B'(;:' C DE'9!'(;:' <QCD'C B'@9D?: :B';<D'(9'@:B:' C I' =<' (: <(9 E' ;:'9(E'!9 @:'CFC<' 9 'A;<@;'(;:' <QCD'@96 B' : E' AC '((CED96B)'B< @<? < :B'@9 ? ' @;:: :B' =E' N : @;D:

@< B<C ' A=< ' A<(;'(; 'C<B' C(' =C((C<9=<C' 9!' :F6 C ' < !C (E ' B< @<'' ?< :B' =E' N : @;'9!!<@: ' ;CB' DCB:' ;<D : !' C '?9A: !6 '< ' 2< B9'' (C 'DC @;:B'(9' N9 C' A<(;' (;:'B: <F ' 9!' 6? :((< F' (;:' C6(;9[<(E' 9!' (;:' C;D< 'C B'=:@9D< F' DC (:'9!'(;:' :@@C ' C C' B<B' 9(' C >' !9 ' (;:' !C(C' C<B' 9!' F< ;' (99? '(9' :@6 :' ;<D : !' < ' ?9A: ' 1CB;C ::'B<:B' C(' 99 C' ('(;:'D9D:9('A;: ' ;< ' CD=<(<9 ' ::D:B' 9 ' (;:' ?9< (' 9!' =:< F' !6 E' F C(<!<:B ' C B' 9A 6(' C9' @< B<C.' A;9' 6@@::B:B' ;<D'< ' (';CB' 9('(;:'@C?C@<(E' (9' C E' 96(' ;<' ? C ' ;:' < ! 6: @:'9!' < B<C) 'D< <(C E' ?9A: ' :DC< :B ' ;9A: : ' 6? :D:'< '(;:' :@@C ' ;:'E96 F'N: ;AC' 1C;BC9' C9' < ' C' !<('9!'B: ?9 B: @E'C('=:< F'>:?('< 'C' (C(:'9!'(6(: CF:'=E' C C' N6DC : :'C B'!9 =<BB: '(9' :@9F <Q:' ;< ' @96 < ' C ::' C9'.(;:' 9 '9!' CF9=C'(;:'9 B'! <: B'9!'(;:' F< ;Z(; :A' ;<D : !'! 9D';< ' ?C C@:' A< B9A'C B' B<:B' ! 9D' (;:' :!!:@(' 9!' (;:'!C ' C B' C ::' C9' 2 /' (;:' 6??9 (' 9!' 9< B!C' AC ' ? 9@ C<D:B' N: ;AC' (9' (;:' (:D?9 C E' B< @9D!<(6 :' 9!' C C' 6 C : :' A;9';9A: : ' 6= :V6: (E';CB'(;:'CBB : '(9' :@9 @< :' ;<D : !' A<(;' C ::' C9' C B' @< B<C' C6B' (9' :FC< ' (;:' 9!!<@:' 9!' D< < (: 'K;<@;' ;:';:B' (< ';<' B:C(;' < ' &OOO' ;:' 39 : 9 '3: : C' (<:B' ' ?: 6CB:' 9< B<C'(9' :(' ! 9D' 99 C' < ' 9 B: ' (9' B:!: B' ;< ' B9D< <9 ' < ' (;:' 9 (;'A: (' CFC< ('(;:' !F;C ' '= ('< (:CB'9!' < (: < F'(9' (;< ' CB <@:' 9< B<C' C B' (;:' N: ;AC' D:B<(C(:B' 9< < F' <??99' CFC< (' (;:' F< ;' C B' A:' 9 E' B< 99 9: (:B' =E' (;:' C?<B<(E' C B' @9D? :(: : ' 9!' +=:' F< ;' 6@@: ' ;:' A:C> : ' 9!' (;:' : ;AC) ' 39 : D: (' C B' (;:' C(6 C' B< < @< C(<9 ' 9!'(;:'? :BC(9 E' 1C; C((C' (9' C=D<B9 ' (;:' ? :C C (' ;C=<(' 9!' ?<6 B: < F' (;:< ' :<F==9 '@C6 :B'(;:'F :C(: ('B< 9 B: '(; 96F;[96('(;:'1C; C((C'@96 (E'C B': : E' ?:((E' @;<:!' A<(;' C' =C B' 9!'g C D:B' !9 9A: ' DCB:' AC ' C B' C< :B' : : :' 9 ' ;<' 9A ' C@@96 (' ' 99 C' <(: !' CA : ' :U@: : ' 9!' C ' >< B ' A: :' @9D D<((:B ' C B' (;:' N: ;AC' C B ' :< B<C' A: :' =9(;' C(' (;:' D: 9E' 9!' C' (6 =6 : (' C6B' C?C@<96 ' 9 B<: E ' ' &OO&' C' :A' ?9A: ' C??:C :B' 9 ' (;:' @: :' ;:' 29 >C ' !CD< E' =CB' ' (C E' E:C ' =::< ' >:?(' B9A?' =E' 9< B<C'ï =6(' B:C;A ('

(' (<:' D9 (' @: := .:B' ' C ' (;:' 1!<=(C(C' \

=99(9 ' 6@@: :B:B' < ' F:((< F' (9F:(; : 'C 'C DE' (9 F'=9(;'< '@C C E' ; B' < ' B< @<?<< :B' < !C (E' C B' C (< ' 5: =A (' C9' 29 >C ' B:!:C(' : E ' 1 C @;< F'9 ' 99 C'< ' &OOW ;:' 9< B<C' C(' 99 C' +&OOWR' C B' A9 'C'@9D? :(:' <@(9 E' 9 : ' 9< B<C'< ' (;:' : ; C' C ::' (C9' ::>' C' B: ?: C(: E' 9 (: (:B' =C((: ' C B' F< ;'?<9(:9(<9C' (; :' ?6 < C <D9 ' : ; AC ' K ;9' ;CB' 9(' C??:C :B' 9 ' (; :' !<: B ' !<:B' !< (' (9' (; :' !9 (' 9!' < F; ' C B' (; : ' (9' :ACB BC' 9 ' (; :' @9C (' A ; : :' ; :' !9 B' C ' F< ;' ;<?' (9' (C>:' ;<D' (9' C :<

;< ' @ < < '9!' C!!C< 'C??:C :B' (9' 9 B' K : : :E' Y' (9' C!!9 B' C' D9 (' !C 96 C= :'9??9 (6 <(E' !9 '(; :'@9D? :(:' : (C= < =D : (' 9!' (; :' < (: H' : (' 9!' (; :' <(< ;' ?9A : ' < ' (; :' 1 C; C((C' :D?< :')' 0 ! ' H 8 N' 9 9 : ' 9 :' (; :' : <B: (' <' 99 C ' A ; 9' ;CB' :!(' (; C(' @<(E ' AC '9 B: :B' (9' / ' ' C :< 'C B' 9?: ' :F9(<C(<9 ' A<(;' C ::' C9' A ; 9' <F :B' C' #(' 9 ' *& (' :9: D=: 'AECD(' =< B< F' ;<D : !' (9' C@@:?(' C' = <B<C E' !9 @:'9 !' 9!' C :< ' C B' @CD" ' ' C B' (9'C <F ' (: <(9 E' A9 (; ?C<F '9!' CE '+&OO* R fWT0 OOO' C' E :C '!9 ' (; :< ' ?CE ' (9' F< : 6?' ;< '@ C<D '9 ' 6 C(' (9' C@@:?(' (; :' C (' B<C' 9D?C E' C 'C =<(: ' < ' (; :' B< ?6(: '9!' (; :' : ; AC' A<(;' (; :' 3C:>AC ' (9' CBD<(' 9' 6 9[?:C ' < (9' ;< ' : <@:' C B' 9(' (9' :F9(<C(:' A<(;' C E' 9(; : ' ?9A: ' A ; C(: : ' K<(; 96(' F< < F' 9(<@:' C B' @9 6 (< F' A<(;' (; :' 9D?C E ' 39 : D: (" ' :(6 '(; :' 9D?C E' 6 B: (99>' (9' :? C@:' ;<D' 9 ' (; :') R % 'C(' 99 C 'C B' B<B' 9' 9 '&*(;' 1 CE' &OO*' 9< B<C ' A ; 9 :' ;9?:'9!' :@9 : < F' ;< 'C @: BC @E' AC ' 9A' B: (9E:B ' <D D :B<C(: E' !9 D :B' C' :CF6 :' A<(;' (; :' C C' 9!' : C 'CFC< (' (; :' F < ; 'C B' 3 : : C ' K : : :E' DC @; :B' A<(;' C 'C DE' ! 9D ' 1CB C ' (9' @9 B 9(' 9?: C(<9 ' CFC< (' (; :' 9 !:B: C(: ' < ' (; :' :@@C ' A ; < :' 3 : : C ' C>:' 99 B @(:B' (; :' 9?: C(<9 ' < ' 2 < B9 (C ' ; :' AC ' AC ' V6<@> E' (: D< C(:B' =E' (; :' D :D9 C= :' <@(9 <: ' 9!' CE:' FC D ' C B' C AC : : ' (' A96 B' =:' !9 :<F ' (9' 96 ' ? C ' (9' ?:C>' D9 :' C(' : F(;' 9!' : : (' A ;<@;' =: 9 F' (9' (; :' F: : C ' ;< (9 E' 9!' B<C ' 1 ' 6 @C ' (; :' 39 : 9 '9!' 9D=CE ' ;CB' =: : ' < C(D :(:B ' C(' (; :' 9 (= C>' 9!' (; :' AC ' (9' :D? 9E' (; :' D< <(C E' !9 @:' C(' 9D=CE' !9 ' (; :' :B6@(<9 ' ' (; :' !9 ('C B' (: <(9 E' 9!' 9C9=' C B' 9!' (; :' ?9 : < C' 9!' 9< B<C' <

+ 9Q: C(' C !' (@ (; :' 96(; AC B' 9!' (; :' : =6BBC' ' C B' (; < ' A9 >' AC ' C@@9D? < ; :B' A<(; 96(' D 6@; ' B<!!<@6 (E ' ; :' 9 B' ?< <(' 9!' :C 96 E 9D=CE) ' ;C :' ' (; :' AC ' gg' ; 9A : : ' =: (A : : ' (; :' : <B: @<: ' 9! g' : FC ' C B' 9D=CE ' ; 9A : B' <(: !' < 1 ' 6 @C) ' :!!9 (' (9' >: : ?' (; :' !9 @:' < ' 36Q: C(' 6 B: ' (; :' 9 B: ' 9!' (; :' : <B: (' C(' C 9BC' (< ' @9D DC B: B' =E' (; :' 39 : 9 '3 : : C ' (9' @9 <B: ' <(' C B' C ' 9(; : ' D< <(C E' B: (C@; [D: (' C ' 6 B: ' (; :' :U@ 6 < :' B< :@(<9 ' 9!' 1C 9 '3 : : C ' K : : :E ' 9' : C= :' (; :' 39 : D: (' 9!' 9D=CE' (9' : D? 9E' (; :' 6(D9 (' B: ?C(@; ' < ' ? : ?C < F' <(' (99? ' (9' (C>: ' (; :' !<: B' 1 ' 6 @C ' AC ' C(' (; :' CD :' (<D :' C6(; 9 < :B' (9' @9 : (' (; :' @9 ? ' 9!' N: @<= : ' < (9' C' :F<D: (' ' (; :' :F6 C ' : (C= <C; D: (' 9!' 9D[=CE ' : <B: ' :V6<??< F' (; :' 36Q: C(' !9 @:' 9!' % 000' D: ' B: ' 9 9 : ' 16 CE' 9D=CE' : (' C' !9 @:' 9!' W 000' D: ' B: ' 9 9 : ' 39 DC ' (9' : :' < ' ' :@9C @' =6(' (; : :' (99? ' : DC< :B' C(' 99 C' C B' 9(; : ' (C(<9 ' (9' >: : ?' 9?: ' (; :' @9D D 99<9C(<9 ' 9!' (; :' C DE' ' C B' 9 E' C' B: (C@; D: (' 9!' (; :' 9D=CE' (< : E' !96F; (' C(' CE :' A<(; ' (; :' (99? ' 3 : : C ' K : : :E' ; CB' = 99F; (' ! 9D' 1CB C ' \ ?9 ' 9D=CE B: : C ' R' K : : :E) ' 9?< <9 ' B: 9 ; :B' (; :' 9 ; 96 ' B6(E' 9!' 6?? E' 9 ' (; :' 9D=CE' B9 : D: (' D9 :E' C B' 3 : : C ' K : : :E) ' @9D? C< (' C :' < @: C (' 9!' (; :' (6?<B<(E' C B' =CB' DC CF: D: (' 9!' (; :' 9@C ' C6(; 9 <(<: ' ' 9 :' :((: ' ; :' A <(: "Z ; :' C@@96 (' 9!' (; :' ?9 (99 ' < ' 6 (' <>:' : : E' 9(; : ' C999 (' ' :@: < :' 9!' C' 9D=CE' @9 @: ' E' (; < >' 9!' (; 9 :' < ?<B' @ :C(6 : ' : B< F' 9!!' (; : :' @C <CF: ' < ' (; :' D<B (' 9!' (; C(' ; :C E' C< ' /Y' FC< ' ; :' < ' C 9E: B' C(' F: ((< F' D: B<@< : ' < (: CB' 9!' < 9 ' C B' < ' 6 F: (' < ' ; < ' B: DC B ' !9 ' D9 :' D9 :E' C B' <@: ' ; :' @C @<(E' :C (; ' < ' K : (: ' B<C' ? 9 < <9 ' AC ' B :' ; 9A : : ' +&OO*R' (9' (; :' : : :' !CD< :' A ; <@; ' C!! <@(: B K : (: ' B<C' < ' &OO*' ' C B' C ' !9 ' D9 :E ' (; :' @C ' 9 ' 9D=CE' A : :' : E' ; :C E ' C B' 99 B' 9(' =: ' D: (' A<(; 96(' ; : ?' ! 9D' : FC ' ; :' :U?: : ' 9!' (; :' 39 : D: (' 9!' 9D=CE' !C ' :U@: : B: B' (; : < ' : : : ' C B' <(' C??: C ' (; C(' 1 ' K ' ; C : R' N9 =: ' F :C(E' ; : ?: B' 1 ' 6 @C ' C B' 3 : : C ' K : : :E' < ' (; : < ' : D=C C D: (' =E

CB C @< F' C F:' CD:'9!' D9 :E' (9' (; :' (C(: ' ; :' `: :<C ' A 9(:'9!' 1 ' NLA=:F'C ' DC ' M' A ;9' ::> '9??9(" < C '=E' N =9 ' (9' (; :' (C <(<: ' (9' : B: ' ;< ' ? < C(:' ?:96 C' ' :DD: (' '(=:'AC (<9 ' :C' D: @;C (' :! '(9' (; :'?C;H <:' : <@: Y' C B' < (: : (:B' ;<D : !'< ' 1 ' N9 =:) ' ? 9?9 C ' (9' ?6 [@; C :' (; :' 9D?C E) ' C BC A99B' C(' 1CB C ' C B' ?CE' (; :' D9 :E' < (9' (; :' (:C 6 E' C(' 99 C ' K<(;' :FC B' (9' (; :' 9D=CE' (99? ' 3 : : C ' K : : :E' : : D ' (9' ; C :' !9 D:B' C!C '! 9D'! C((: < F' 9?< <9 '9!' (; : D ' ; :' 9D=CE' C D . ' =E' (; < '(<D: ' 9 < (:B' 9!' (; : :' 9?:C ' +(A9' S< F) ' C B' 9 :' 9D?C E) R' C B' < :' : : C ' K : : :E) '9?< <9 ' C(< :' :F<D: (' ; :' C((: ' =:< F' 9!' (; :' 9D=CE' (99? ' :@ 6<(:B' ! 9D' (; :' @9C ('B<:(<9('A ; : : <@:' < ' (; :' @9D D9 '!99B' 9!' (; :'?:9? : '@9 B' 9(' < :'9 'F C< ' <>:' (; :' 1C= C((C '<C B' (; < ' AC '!: (' (9' =:'C' : <96 '< 99 : <: 9:'< ' D< <(C E' 9?: C(<9 ' < ' (; :' :@@C ' A ; : :' <@:' < ' : E' @C @: ' 1 9 :[9 : ' (; :' (99? ' A : :' B< 9<? < :B' C B' < :!!<@<: (' K <(< F' < '&00# < ' ' K : : :E' C<B' Z M' ; :' 9D=CE' =C((C <9 ' A ; <@; ' ; C :' C < :B' C(' 99 C' C :' =E' 9' D :C ' < ' C' (C(:' 9!' B< @<? < :' 9 ' :!!<@<: @E ' C B' ' CD' @9 @: :B' (9' CBB' (; C(' (; :' 6D=: '9!' D: ' A ; <@; ' (; :E' 9 :' =E' B: : (<96' < ' : : E' D9 (; ' < ' : 9 D9 ' :' 9!' (; : D ' A ; <@; ' C < :B' C(' 99 C' < ' 5 E ' & 000' D: ' (9 F ' ; C ' 9(' 9A' D9 :' (; C ' ,00 Y' ; < ' AC ' C!(: ' (; :' AC ' C B' (; :' =C((C <9 ' :!: :B' (9' A: :' ?: ; C? ' :A E' C< :B' C(< F' (; :' @CD?C<F ' 9!' &00*' B: : (<9 ' : :D ' (9' ; C :' =: : ' @9D D9 ' E' CD9 F' (; :' 9D=CE' !9 9A: ' 9!' (; :' C DE' < ' (; :' B; 99 E' =:C : ' C B' AC(: 'D: ' 9!' (; :' %O(;' :F<D: (' C ' CACE' C B' 3: : C ' K : : :E' C((<=C(:B' (; < ' B< (: < F' B: : (<9 'X' (9' (; :' C(:' 9!' (; :' ?:9? : '(9' (; :' :C :' A<(; ' A ; <@; ' (; :E' ; C :'<('< '(; :< '?9A: '(9' :(6 '(9' 9D=CE ' C B' (9' (; :' !C@(' (; C(' ; 9A: : ' D: 9C ' (; :' B: : (<9 '(; :' ?9 <@:' 9!' 9D=CE' ; C :' 9(' (; :' ?9A: ' 9!' C?? E< F' C' :D:BE' ' ; C :' 9(Y' ; :' CBB:B' M' ; CB' D6@; ' : ?: <: 9:'9!' (; :' : <9:' < ' (; < ' ?C (' 9!' B<C ' = (' A ; : : ' ' ; C :' :: ' (; :' CB' 9; C C9(: ' 9!' 9D=CE' 9D=CE' (99? ' :D? 9E:B ' A ; : (; : '< ' CE' !9 9A: ' V6C (: '9 '9 '(; :' @9C ('@9D? C< (; C :' C ACE ' =: : ' : (' 9!' (; :' B: : (<9 ' 9!' (; :< ' !9 9A: ' ' C B

=: <: :'<=C!@'6?9 'C' :!: : @:'(9'(;:' :((: ' :@:< :B' ! 9D' 9! @: ' @9DDC6B< F' : @9 ('9 'B:(C@;D: ('< '(;< '?C ('9!' B<C' < @:' (;:' D< <(C E'9?: C(<9 '=:FC '<('A< '=:'!96 B'(;C(' 9('9 :' ;C 'DC @;:B' C B'?: !9 D:B'(;:' : <@:'9 'A;<:;' ;:'AC ' : ('A<(;96(' DC>< F' C' @9D? C< ('9!'(;:'B: : (<9 '9!' ;< '?6=\9'!9 9A: Y' 3: : C 'K: : [:E '<(' ;96 B'< '!C< : '=:' :D:D=: :B' ;CB'=:: '!9 'E:C 'C 9@<C(:B' A<(;'(;:'5 CB CC'C DE'≠ C B' ;:'A96 B': <B: (E' ;C :' <>:B'(9' :@6 :' !9 '(;:'1CB C '39 : D: ('(;:'D< <(C E'@9 (9'9!'(;:'A;9 :' :9@C6' 2 :'AC ' 9'<D? : :B'A<(;' (;:' ;: ? : : '9!' 9D=CE'(;C(' ;:' : : ' A: (' 9'!C '< '9 :' :((: 'C '(9'A <(:' < ' &OO,' (9' 99 :' 16 CE' (;: '< '36Q: C("ZM' ;:'O,(;'< '(;:'9 E' 6 9?:C ' :F<D: ('K ;<@;' i:6:: : '9(' 9D E FC < 9 ' 9D=CE' C B' ' @C 9(' C >' 1 ' 6 9C '(9' : B'<(' (9'E9 ' ' ;C :' 9 F'@9 <B: :B'96 'FCD:'C '<('C!!:@(:B' :C ' <(C(<9 ' C(' 9D=CE' (9'=:' : E'B: ?: C(:' 'C B' ?C (<@ C E'C 'A:' > 9A' (;C(' (;:' N : @;' C :' (9 F'< ' 6 9?:C ' B<C' C B' (;:< ' V6CB 9 ' A;: ' 9< :B' A<(;'(;C(' 9!' (;:' 6(@;' 9(' < !: <9 ' (9' 96 ' 9A ' A:' 96F;('(9' =:AC :'(9'A:C>: '(;!('((:D: (' (99' D6@; Y' ;< ' <:A' 9!' (;:' <(C(<9 ' A< 9('C??:C '(99'F 99DE'A;: '<('< ' @9 <B: :B' (;C(' 6?' (9'(;:' ? : : ('BCE' 9D=CE' <: ' :U?9 :B'A<(;96('CB:V6C(:' D:C ' 9!' B:!: @:'(9'B: (6@(<9 '=E' C ' : :DE) ' ! : :(' ':(' (;:' <D?9 (C @:' 9!'(;:'< C B'C 'C'=C :'9!9?: C(<9 '=E' :C'C 'K: 'C '9 ' C B.' ;CB' C :CBE' < ' &OO,' DC >:B' 9D=CE'9C('C '9 :'9!'(;:'D9 (' C 6C=:' ?9 : <9 ' 9!' (;:' F< ;' < ' B<C' 3: : C' K: : :E' ;<D : !' ;CB' ?C<B' ;< ' !< (' < <(' (9' 9D=CE' < ' &OO&' A;: ' ;:' @C :B' < ' (9' :!<(' (;:' ;<? ' C B' 9=(C< ' 6?? <: ' !9 ' (;:' (99? ' 9!' (;:'U?:B<(<9 ' B: ?C(@;:B' ! 9D' < 99DC :' (9' 99'9?: C(:' A<(;' < ' ' =: @ 9D=E) ' !9 @:' ! 9D' F C B' < ' (;:' < C <9 ' 9!' FE?('9' ;< ' =<((: ' D9 (<!<@C(<9 ' (;:' 3: : C' AC ' 9?: H' :B:B' ;: :' < ' (;:' @9DDC B' 9!' (;:' :U?:B<(<9 ' =E' < ' C <B' C< B ' 2 < ' B< C??9< (D: (' ? 9=C=E' ;: ?:B'(9'DC>:' ;<D' < ' !9 '=:'AC ' :<Q:B'C(' 9D=CE'A<(;'C'!: : 'C B'= :C>< F' 96('C ' 9 : '=< '=9BE'C B'=CB' (9' 6 B: F9' C' @96 :' 9!' <(9 ' =C(;' !9 ' C'@9 : ' ;< '< : 'B:@<B:B' ;<D' 9(' (9'F9' (9' FE?('C ' :@9 B'<F' @9DDC B' B: ' < ' ' C6 B' C B' ;:'?=(9< :B' ;-' = ?<=:)C' + 9 B

K : : :E R' ?: D< <9 ' (C' :(6 ' (9' ;< ' 39 :< D:6(' 9!' 1E 9 :' K ;< :'< ' 9D=CE' 9 '(;< '9@@C <9 ' ;:' 6?: < (: B:B' (;:' :':V6<?[D: ('9!'(;:' ! : :(' C B' ;< ' B: @ <?(<9 ' 9!' (;:' ACE' < ' A;<@;' (;< '=6 < : 'AC 'C@@9D ? < ;:B' ;9A ' ;9A'F :C(' A: :' (;:' : 96 @: ' 9!' (;:' 9D=CE' 9@>EC B'] X' 9D:' 9!' (;:' ;<? ' A: :' @9D ? :(: E' :'!<((:B'(99>'< ' =C C (' C !' :@:< :B' ;:':Q?:B \9 '(9' FE?(' :" (; ::' D9 (;)' AC(: 'C B'? 9 < <9 '!9 ' ((:B'C(' 9D' E'+&OO' R' (;:< '@ :A ' C B' (;:'(99? ' :D=C >:B' < '(;:D 'C B' C< :B' < ' !96 ' BCE ' C!(: ' (;:E' C < :B' ' !< :' ;<? ' A;<@;';C :'=:: 'CBB:B'(9'(;:'C DCD: ('! 9D' (;< ' ?9 (' < @:' DE' C < C 'A: :' :V6<??:B' A<(;' <U' D9 (;)' ? 9 < <9 ' @ ' C B' (;:' (99? ' :D=C >:B'< '!< :' BCE ' C!(: ' (;:' :V6< <(<9 ' AC ' DCB:' !9 ' (;:D ' C B '< ' ;9 ('(;:'A ;9 :' =6 < : ' =C ' =:: ' @9 B 9(:B' A<(;' :F? <C <(E' C B' C?<B<(E 'C B' C(< !C@(<9 ' (9' DE : !' C B' (9' C ' (;:' ?C (<: '99 9: :B Y' N9 'D< <(C E'9?: C(<9 '< ' (;:' :9@ ' CFC< ' (;:' :C : '9!' 9D=CE' DCB:' (;:' : :@(<9 ' 9!' (;< ' : <B: @E' (9' @9 (9 '(;:'!9 @:' (;: :' < B< ?: C= :' C B' (;:' 39 : 9 '3 : : C ' (;: :!9 : ' AC ' 9(' @9 (: (' (9' ? C@:' 9C@;' C B' 9(;: ' @:B:B' (: <(9 E' < ' 36Q: C(' 6 B: ' (;:' 39 : D: (' 9!' 9D=CE ' =6('

9 B: :B' (;C(' (;:' K ;9 :' 6= <B<C E' 9D=CE' 6?? <: ' 99 C' !9 @:' !9 ' 99 C ', @9 < (< F' 9!' 9 :' 6= <B<C E' N9 @:'+&OO#R' :F<D: (' 9!' C(< :' @C C E ' 9 : @9D ?C E' 9!' C (< : E ' C B' <U' =C((C <9 ' 9!' C(< :' < !C (E ' :C@;' @9 < (< F' 9!' & OOO' !< : 9@> ' C B' 9 :' @9D ?C E' 9!' ?<9 :: ' ;96 B ' A<(;' (;:' :U@:?(<9 ' 9!' (;:' :F<D: (' 9!' @C C E ' =:' 6?[? <:B' =E' 9D=CE

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;< ‘ @CD?C<F ‘ FC :‘ 9D=CE‘ F :C(: ‘ !C@< <(<: ‘ 9!‘ C:9: ‘ (9‘ (;:‘
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9 +F: : C K:\: E‘ B9 =(Co‘ A: (‘ C ‘ @9D D: @<C ‘ :C 9
!9 ‘ (;:‘ ?C CF:‘ C@ 9 ‘ 9D=CE‘ ;C =9 ‘ ! 9D‘ C A: ‘ (9‘ 9D=CE‘ ‘
9!(: ‘ B<!!<9 <(‘ !9 ‘ C< < F‘ =9C(‘ A;<@;‘ @C ‘ ;9A: : ‘ :C < E‘ C?‘
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9D=CE ‘ 9 ‘ (;:‘ 9(;: ‘ ;C B‘ AC ‘ 9(‘ =:;< B‘ ;C6B‘ < ‘ B9< F‘ ;9 9 ‘
(9‘ (;:‘ F :C(‘ 9 B<: ‘ A;9‘ !< (‘ B< ? CE:B‘ ;< ‘ :DC >C= :‘ D< <(C E‘
(C : (‘ < ‘ (;:‘ @CD?C<F ‘ 9!‘ CE: ‘ ‘ (;:‘ M‘ 9D=CE‘ 99 : @: ‘
!9 ‘ 1C @;‘ &OO, Y‘ <(‘ < ‘ :@9 B:B‘ (;C(‘ (;:‘ 39 : 9) ‘ EC@;(‘ ;CB‘
C < :B‘ ! 9D‘ C A: ‘ A<(;‘ 1C 9 ‘
(9‘ h: :‘‘ 3: : C ‘ (;:‘ 2)K:‘ ; ‘ K: : :E‘
9 ‘ =9C B ‘ C B‘ (;C(‘ C ‘ ;:‘ C?? 9C@;:B‘
(;:‘ ;C =9 ‘ C‘ C 6(:‘ 9!‘ &#‘ F6 ‘ AC ‘ !< :B‘ ! 9D‘ (;:‘ ?;< (9 :‘
B<CDC ‘ (;:‘ @9D? <D: (‘ =:< F‘ :?:C(:B‘ A;: ‘ (;:‘ 3: : C ‘ C B:B ‘
;:‘ A;9 :‘ 9!‘ (;:‘ (99? ‘ < ‘ FC < 9 ‘ !9 D:B‘ C‘ (::(‘ ! 9D‘ (;:‘ 9@>[
EC B ‘ (; 96F;‘ A;<@;‘ (;:‘ 3: : C ‘ ?C :B‘ (9‘ (;:‘ 39 : D: (29 :Z ‘
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? : : (:B‘ (9‘ (;:‘ 3: : C ‘ C ‘ CBB : ‘ CB9?(:B‘ C(‘ C‘ F: : C ‘ D::(< F‘
9!‘ (;:‘ < ;C=<(C (‘ 9!‘ 9D=CE ‘ 9!!: < F‘ (;:< ‘ @9 F C(C(<9 ‘
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(C E‘ @<: @:‘ C B‘ ?9 <(<@C ‘ >< ‘ Y‘ 96 ‘ <@(9 <: Y‘ <(‘ AC ‘ CBB:B ‘
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(9'V C :'A<(;'(;:' F< ;' ('A< '=:' :D:D=: :B'(;C('=E'(;:'(: D '
9!'(;:' :C(E'9!' C :< '(;:' <(< ;'39 : D: (' =:@CD:'(;:'C =<(:

=:< : : ' (<:' : =AC'C B' (; :' 3 : ; AC ' 9 ' C ' V : (<9 ' < ' B< ?6(:' =:(A : : ' (; : :' (A9' < @: ' C : :' C9' : < :B' 9 B' @ C<D ' 9 ' (; :' 3C : ; AC ' C B' A ; : ' (; :' 3C :>AC) (' C< : (<(' 3 9 FCB ; 6 ' ;C (: : ' A : (' (9' 99 C' < ' &O&T' A<(;' (; :' F6C C (: :' : (' (; :' <(< ;' 3 9 : D : (' !9 ' ;< ' ?: 9 C ' C!: (E ' ;9' AC ' (:C@ ; : 96 E' D6 B: :B' =E' <D " = 9> : 9' C F <C ' (; :' : ; AC) ' < !CD96 ' D< < (: ' <D=6@> : :' AC ' F< : '9?' (9' (; :' <(< ;' : <B: (' 1 ' 19C ((C (' ?=< (9 : ' C B' <D? < 9 :B' C(' C C ' A ; : @:' ; :' DCB:' ;< ' : @C?:' < ' &O&T' M' ; :" F6C B' 9 : ' <D=69> : :' =CB' 9' D<U(6 :' 9!' :?9E ' 6?9 ' <(' =C(' KC ' @9D?9 :B' : (< : E' 9!' 6 9?:C ' H 9D' (; < ' 9< 9 D (C 9: ' (; :' : ; AC' AC ' C= :' (9' @9D D6 <@C(:' A<(;' <D=6@> : : ' ; :' ? < ' :<?C ' CF: ('9!' @9D D6 <@C(<9 ' KC ' C' 1C= C((C' =9 :>: : ?: ' < ' (=:' : <9:' 9!' C ' 9!!<@: '9!' (=:' FC < 9 ' A ; 9' ?C < F' C B' :' ?C < F' (; :' A< B9A' 9!' <D= @> : :) ' ? C@:' 9!' @9 !< :D: ('A ; : ' C< < F' =< ' D H (:) ' ; 9 : ' F' (; :' < !9 DC(<9 ' ; :' A< ; :B' (9' @9 :E ' < ' C ' C??C " : (E' @C : : ' DC : ' A ; <@ ; ' (; :' 6 9?:C '! 9D' AC ('9!' 6!!<9<: \ (' > 9A :BF:' 9!' (; :' C F6CF: ' @96 B' 9(' B : (: @(Y' B: ' ? :(: @:' : !' F9< F' (9' =C(; : ' <D= @> : :' B< : (:B' ; <D : !' 9!' ; < ' @ 9(; < F ' A : (' B9A 'C' <B:' ?C CF: ' F9('9 ('9!'C' 9A' A< B9A ' C B' AC >:B' V6<: (E' (; 96F; ' (; :' DC< ' FC(: ACE' 9!' (; :' !9 ('(9' A ; : :' C' ; 9 :' AC ' AC<(< F' !9 '<BD ' ; :' : ; AC ' : 9<@:B' (9' ; C :' ; < ' !C 96 <(:' A<(; ' ; <D' CFC< ' C@(:B' 9 ' ; < ' CB <@:' (9' C E' ; <D : ! K<(; ' (; :' < BC : :' ! : :=99(: ' A ; 9' =CB' F 9A ?' ?9A : !6 ' 9 ' (; :' B:@CE' 9!' (; :' C(< :' (C(: 'C B' A<(;' @<6B<C ' 2 9 >C ' C B' (; :' C C ; ' 9!' : C ' < ' C' :9 !:B: C9E' (9' 9 : (; 9A' (; :' F < ; ' ' CD9 ' AC ' ? :CB' (; C(' C ' C DE' 9!' < BC : : ' AC ' C?? 9C@ ; < F' 99 \ C ' ' C F:' ?C (' 9!' (; :' <(< ;' !9 @:' D9 :B' 96(' C B' (; : :' AC ' :!(' C(' 99 C' 9 E' 9 :' = <[FCB:' 9!' (; : :' A :C>' =C((C <9 ' ; :' 9D?C E) ' 9D=CE' :F<D : (' =!' . :?:C ' ; 9A : ' AC ' 9 '<(' ACE' ! 9D' 9D=CE'" B' 1 ' ?; < (9 <: ' 6 ?:@(< F' (=:' : ; AC) ' (:C@ ; : 96 ' < (: (<9 ' : (' 9 B: '!9 '<(' (9' CB C @:' =E' !9 @:B' DC @ ; : ' E' F :C(' :U: (<9 ' <(' :C@ ; :B' 99?C' 9 ' *0(;' @(9=: ' &O&%' C!(: ' (=:' <(< ;' =CB' ?C :B' DC E' C U<9 ' BCE ' C B' <F ; (' :U?:@(< F' D9D : (C < E' (=:' C((C@>' 9!

' ; :' :F<D : (' DC @ ; :B' (; :' A ; 9 :' B< (C @:' ! 9D' C6A: ' (9' 99 C' A<(;' 9 E' 9 :' ; C< (

(; :' N: =AC) ' (99? '9 ' (; :' @C (9 D: (' (; :' <(:' 9!' A;<@; ' CB 9< [< F' (; :' 9 (; : ': < 9 '9!' 99 C' ; C < F' =: : '9 <F< C E' : :@(:B' =E' 3 : : C ' K : : :E' !9 '(; :' ? 9(:@(<9 '9!' (; :' @<(E' 9 E :U?9 :B' (; :' (99? ' ;9 B< F' <(' (9' =:' 9C B:B' =E' C ' 9 : A ; : D< F' !9 @:' < < F' ! 9D' (; :' @<(E ' 3 C (' R !!' (; :' ; (9 <C ' A ;9' AC ' A<(;' (; :' : <B: (' C(' (; < ' (<D : ' < ' 9!' 9?< <9 ' (; C(' 1 ' ?; < ' (9 :' M' !9 9A :B' (; :' E (: D' 9!' @9 B: @: ' 9' (9 F E' :@9D[D: B:B ' (9' C' 9 ?C= :' :U(: D<(E Y' < ' 9(' D9 < F' (; :' (99? ' (9' C' =: ((: '?9 <(<9 ' ' = (' @>< E' (; :' : ; AC' 99 <B' 9(' DC>:' ?' =< ' D< B' (9' 9?: ' ;9 (< <(<: ' =: !9 :' (; :' 9?:C 'C < :B ' 1 ' ?; < '' (9 :' (; : ' DCB:' (; :' (99? ' (C>:' C((:' 9!' >: : ' 9 ' T' ' ?9 <(<9 ' C(' S< >: : ' (; : C C' 9:9 ?C((9 '9!' 99 C' ? : : (' ; :CB'V C (: '9!' (; :' (< : E' 9!' (; :' 9D=CE' : <B: @E' ; :' : ; AC' (< ' ; : <(C(:B' C B' ?: (' : : C ' D9 :' BCE ' < ' C((: D?(' (9' @9 6?(' (; :' <(< ;' :?9E ' 2 :C < F' ; 9A: : '(; C(' 1 ' ?; < <9 :' ; CB' B< :@(:B' C' DC ' !9 @:' (C(<9 :B' C(' : 99 ' (9' 9< ' (; :' = <FCB:' C(' < >: : ' ; :' M' B:(: D< :B' (9' B: CE' (; :' C((C@>' 9' 9 F: ' 2 < ' ? :?C C(<9 ' =: FC ' C=9 (' : : ' 9)@ 9@>' 9 ' (; :' D9 < F' 9!' (< :' #(; ' = (' < ' (; :' :C E' ?C (' 9!' (; :' BCE' ; :' : (' 96(' : : C ' D: CF: ' @C @ C(:B' (9' 6 ' (; :' : <B: () ' 6 ?<@<9 ' 9; ' C ' (; C(' ; < ' (99? ' A: :' C C D :B' =E' =: C < F' (; C(' (; 9 :' C(' S< >: : ' A: :' 6 B: ' C D ' ' (; C(' ; :' A C ' C=9 (' (9' ?: !9 D' C' : <F<96 ' @: : D9 E' C(' (; :' ' (: D? :' 9!' NC = ((: : ' C B' (; C(' (; :' (99? ' A: :' B CA ' 96(' < ' !C9 9 ' 9!' (; :' 9@@C <9 ' (9' !9 D' C' (: :(' C ' =:' ?C :B' ' (; :' C!(: 99 ' A ; : ' C ' AC ' < ' :CB< : ' (; :' A ; 9 :' 9!' =< ' ? < @<?C ' 9!!<[@: ' ; C < F' C :D= :B' C(' ; < ' ?C C@: ' K <((99 : :' 3C:>AC ' C' ?: 9 C' : C (' 9!' (; :' : ; AC ' AC ' B: ?C(@; :B' (9' 1 ' ?; < (9 :' =E' 39> C) ' CB <@: ' (9' < !9 D' ; <D' (; C(' (; :' C :D= E' 9!' (99? ' C(' 99 C' AC ' : E' 9!!: < :' (9' (; :' : ; AC' ' (9' B: < :' ; <D' (9' : B' CACE' (; :' 6 9?:C ' :F<D: (' (9' :B6@:' (; :' C(< :' = <FCB:' (9' <(' 6 C' (: F(; ' A ; : ' <(' D6 (' 9@@6?E' C' ?9 <(<9 ' A ; <@; ' (; :' : ; AC' A96 B' ?9< (' 96(' C B' (; C(' <!' (; : :' B:DC B ' A: :' 9(' 9D? <:B' A<(; ' ; :' A@6 B' A<(; B CA' ! 9D' 99 C' C B' : : ' :(6 ' 1 ' ?; < (9 :' B: <:B' (; :' : =AC) ' <F ; (' (9' :V6< :' (; :' :D9 C' 9!' (; :' 6 9?:C

1)1: (' :U? C< :B' (; :' :C 9 ' 9+' ;<C' ;C < F' C< :B' < ' (; :' <F; (' =C((C <9 ' C B' :@9D D: B:B' (; C(' (; :' N:C; AC' C; 96 B' : B' =< ' (99? ' (9' (; :' ! 9 (<: 'CC' = :' ; CB' ? 9D< :B' < ' A=<9; ' :CC: ' C ' 9C C:' 9!' @9D? C< (' A96 B' =:' :D9 :B' ' (; : :' ACC' C' F99B' B:C ' D9 :' ?C :B' C ' (; :' @9 : C(<9 ' 9 ' (; :' ?C (' 9!' (; :' D: : F: ' AC ' < (: B:B' (9' : FCF:' CC' D6@; ' C((: (<9 ' C ' ?9 <= : ' =6(' ; :' C(' C (' A<(; B :A ' KC < F' (; :' : <B: ('9!' (; :' =CB' @9 :V6: @:' 9!' ;< ' :!6 C ' ' (; :' D:C (<D:' (; :' N:C; AC) '9!!<@: 'C(' (; :' ?C C@:' A: :' B: ?C(@; :B' (9' (; :< ' (99? ' ' C : :' SC9' < ' ?: 9 ' ? 9@: :B:B' (9' (; :' NC =6((: :' + <(6C(:B' 9 ' C' ;< ' 9 ' (; :' 96(;' <B:' 9!' N99 C?' C B' K<((99<:@' 3C:>AC ' =CB' @C @: E' V6<((:B' (; :' : <B: @E ' A; : ' < (: <F: @:' ACC' = 96F; (' (; C(' (; :' C DE' AC ' D9 < F' 96('9 ' (; :' A: (' DB:' 9!' (; :' @<(E ' ; : :' AC ' C' D9D: (C E' 99 (C(<96' C=96('B :!:VB< F' (; :' : <B: @E' C('(; :' 6 F9D ' =6(' <(' AC ' < (C (E' C=C B9 :B' C ' < ? C@(<9C=<: ' C B' <(' AC 'B:(: D< :B' (9' :(< :' (9' < >: ' !9 ' A; <@; ' ?6 ?9 :' (; :' C(6 :' 9!' (; :' F 96 B' C!!9 B:B' F :C(' !C@< <(E ' ; :' < : ' 2 99 C' =:(A<U(' (; :' 6F D' C B' (; :' < CF:' 9!' < >: :' !9 D ' (A9' @6 : ' <>:' (; :' :((: ' ' < : (:B ' ; :' : <B: @E' C B' (; :' < CF:' A: :' =9(; ' 9 ' (; :' CD:' <B:' 9!' (; :' < : '=6(' C(' (; :' !9 D: ' (; : :' AC ' C' !9 B' C B' :C ' (; :' C((: 'C' = <BF: ' 9' (; C(' (; :' ?C (E' =E' @ 9 < F' C(' (; :' !9 B' =CB' (; :' < : ' =:(A:: ' (; :D' C B' (; :' : ; AC) ' (99? ' (; :' F :C(: ' ?C (' 9!' (; :' ACE ' 9D' (; :' : <B: @E' 9' ?C (' 9!' (; :' 1C; C((C' C DE' AC ' < <= : ' :U@: ?(< F' =9B<: ' 9!' < !C (E' A; <@; ' A: :' C :D=< F' C 9 F' (; :' (9? '9!' (; :' CB 9< < F' ; :<F; (' A<(; ' (; :' < (: (<9 '9!' @6((< F' 9!!' (; :' : <B: @E' ! 9D' (; :' @CD ?' C B' ; C < F' (; < '9= : @(' < ' <: A' (; :E' B<B' 9(' D9 : (' < B< <B6C ' ' C @: B< F' 9 :' 9!' (; :' :D< : @: '9 ' A; <@; ' (; :E' A: :' !9 D< F' (; :' ? C< '=: :C(; ' ? : : (:B' C(' (; C(' D9D: (' C' D9 (' <D?9 < F' ?: @(C@ : ' ; < ' ? C< ' (; : ' @9 : :B' A<(; ' F C< ' (: D< C(: ' 9 ' (; :' A: (' =E' C' C F:' 9!' DC ' ; < ' A ; < :' 9 ' (; :' :C (' <(' < ' =96 B:B' =E' (; :' @<(E' 9!' 99 C ' ' DC '9!' @C C E' @9 : :B' :C E' (; :' A ; 9 :' :U(: (' 9!' <(' C B' (; :' DC ' ; < 'C :CBE' ?C (<C E' 9@@6?<:B' =E' (; :' < !C (E' C B' (9AC B ' (; :' @<(E' : B : ' (:CD ' 9!' ; 9 :D: ' A: :' ?96 < F' ! 9D' : B . ' C : 6: ' ; 9 :' 9 E' A; 9' ; 9 :' A<(: :B' (; :' 9 :' < ' (; :' 3 6 !' 9!' CD=CE ' C B' ; C :' :: ' < ' ?: !:@(<9 ' (; :' C?? 9C@; ' 9!' (; C(' 9C < F

: @96 CF:B' (9' =: <: :' A: :' C :CBE' ?< <(: ' 'C B' C'BCD?' A ;<@;' =CB' =:: ' ? :CB< F'9 : '(=:' A ;9 :'C DE' =E' (;:'C@@<B: (C ' = :C>< F' 9!' (;:' (C!!'9!'(=:' 59 : :' 6(>C ' =:!9 :' (;:E' :!('(=:'@<(E ' AC ' 9A' D99;'< @ :C :B ' 39> C ' A<(;' (;:' (6:' ?< <('9!'C' 9 B<: ' AC ' <B< F' ! 9D' C >' (9' C >' C <DC(< F ' :;99 CF< F ' C B' (C6 (< F' C ' ;:' (;96F;(' D9 (' :!!:@(6C ' =6('(;:' : ;AC) ' ;:C (' !C< :B' ;<D' ' C B' C!(: ' (;:' (99? '=CB' CB C @:B '=:' : ('C' D: CF:'(9' 39> C ' B: < < F' ;<DH'(9' =:' 9 :' 9(' (9' T :'(;:' !< (' F6)' (' (;<' D9D: (' (=:' <(< ;' (99? ' A: :' ;C (:B ' (;:<' F6 ' A: :' ;<D=: < F Z<('AC ' (;:' ?C6 :' 9!' ? :?C C(<9 ' ;6B' 9!' ;9U<9(E' 9 ' =9(;' <B: ' =6(' 39> C ' 9= : < F' (=:' D: :9F: ' ! 9D' (;:' N: ;AC ' C B' 6 ?:@(< F' (;:' C(6 :' I' ;<': C B' <9 (C (E'@9D D: @:B' (;:'C(<C9>' =E' ?: < F'C' =C((: E'9!' < :'. 'B:(C@;< F' C' (9 F' @9 ? '9!' 99>:('9CD: ' (9' (=:' <F;('C B' ? ;< F' !9 AC B' ;<' @C C E' (9' (;:' <F;(' C B' :!(' ' <(< ;' 8 ' A: :' 99 ' :C E' 6 9 B:B' =E' ;9 :' '=6(' (;:' 1C; C((C'< !C (E' 9A< F' (9' (;<' C?<B' CB C 9C' A: :' :!(' @9 <B: H' C= E' < '(;:' :C ' :U@:?(' C' :F6 C ' =C((C <9 ' 6 B: ' C' N9 (CF : :' CD:B' :' < (9' A ;<@;'=CB' DC @;:B' =E' C' ;9 (: ' 9 (:'@9 @:C :B' !9 'C' (<D:'6 B: '@9 : '9!'(;:': @ 9 6 : C B' A: :' 9A' !9 D< F' A<(;' C??C : (' (:CB< : :'<D D:B<C(: E'< ' ! 9 (' 9!'(;:' & (' C((C <9 ' %(;' :F<D: (' C6B' (;:' 3 : CB<: '9!'(;:' W B' C((C <9 ' T(;'< 9' 99 : ' ;9A: : ' A: :' (;:<' :B' @9C('C B' @9 96 ' :U?9 :B' (9' <:A' 9!' (;:' F < ;' :?9E '(;C '(=:' C((: 'A<(;' 9 :' C 99 B' ?6 ;:B' !9 AC B' (9' @ 9 :'C B' < '(;:<' :CF: : 'F9('B:(C@;:B' ! 9D' (;:' : ('9!' (;:' < : ' 39> C ' ;9?< F'(;C('(;:E' D<F;(' :<(;: ' =:' B< ?9 :B' (9' 99 9' 9 : '9 ' (;C(' ;:' D<F;(' =:' C= :' (9' (C>:' CB C (CF:' 9!' (;:<' <D?:(69 <(E' ? :?C :B' C' : :@(' =9BE' 9!' T OOO' ;9 :' A ;<@;' C@@9D?C <:B' =E' (;:' 5 :' 6(>C ' C B' ;:CB:B' =E' : : C ' ?: 9 ' 9!' B< (< @(<9 ' =CB' =:: ' ;: B' < ' : : :' :C ';<' :!(' C B' A: :' 9A'9 B: :B' (9' @;C F:' ;:' 1C; C((C'F6 '@:C :B'!< < F' (9' :('(;:D' ?C 'C B' (;:E' @CD:' B9A 'C(' ?::B ' < ' C' B<CF9 C ' B< :@(<9 ' C@ 9 ' (;:' <(< ;' ! 9 (' 3< < F' (;:<' !< :' C B' :@:< < F' (;C('9!'(;:' < :' (;:E' 9B:' <F;('C(';:%(=' 9 9 :' 6 ' (99>';<' ?9 (' A<(;' (=:' @9 96 ' 9!' (;C('@9 ? '<(' ;CB' 9 F' =:: ';<' 9A '=C((C <9 ' ' ;:';CB' !9 D:B' C6B' :B' H<('!9 ' DC E' E:C '" ;:' AC ' (;:' : < F' 6 B:' C' : :' C B

<9@ ` C= :' 6C CBE ' =6(' ; :' ;9A :B' ;< ' A9 (:B'@99 : 'C B' !< D : '< ' (;< ' D9D : ('9!' ?: < ' 2 :' AC ' (; :' !< (' (9' ?: @:< :' (; :' D9 < F' DC ' " ; :' ; CB' C ('(<D :' (9' (9?' (; :' ?6 6<(' 9!' :' < (9) ' =C((C <9 ' C :CBE' 96(:B ' C B' (9' @C '(9' (; :' D : ' A ; 9' @96 B' 9('=:' B : :B' < ' < : '(9' : : :' (; :< '!< : 'C B'? 9 :'(; :D : : ' K9 (;E' 9!' C ' ;< '@C : ' 9 (C C(: !('(; : :' AC 'C' B::?' 96F; ' 9!' A ;<@;' :<(; : ' ?C (E' K: :' CAC : '<D D :B<C(: E' < ' ! 9 ('9!' (; :' <(< ;' :!(' ; :' !9 :D9 ('9!' (=9' ;9 : ' 9 :B' 9 : ' C B' DC E ' =:!9 :' (; :E' @9 B' =:' ?C :B' ?' (6D= :B' 9 : '(; 9 :' < ' ! 9 (' (; :' !< : ' ;<(; : (9' : : :B ' AC ' 9A' F< : ' A<(; 'F :C(' :!!:@(' 6D=: '!: '(; :' 99 ! <9 ' =:@CD :' :U(: D : ' C B' (; :' !9 @:' 9!' (; :'@; C F:' AC ' @9D ? :(: E' @; :@>:B' 'C' : E' DC ' ? 9?9 (<9 ' @CD :'< '@9 (C@(' A<(;' (; :' =CE9 :(' 'C' !: A' @9 (< 6:B' (; :' C((C@>'< ' (; :' :C '=6(' DC E' (9:B' =C@>' ' 9D :' F 9??:B' 96 B' (; :' :!('C '<!' (9'? 6 B: '(; :' @CD ?' = ('(; :E' A: :' B < : ' 9!!' =E' C' !: A' ;9('! 9D' (A 9' < 9 ' F6 'C(' < >:: 'C B' (; :' :?9E ' ; CB' :C E' :?6 :B' (; :' C((C@>' =:!9 :' C' @9D ?C E' 9!' ?:C C' @ 6<B' C < :' (9' (; :< ' 6??9 (' ;< ' !C< 6 :' @9D ? :(: E' B< @9 @: (:B' (; :' 1 C= C((CC' (; :E' =:FC '(9' B < :' 9 '(; :< ' F ' ' (; :< '< !C ('E' :(< :B' ! 9D' (; :' B< (C (' ?9 <(<9 '(; :E' 9@@6?<:B ' C B' 6?9 '(; :' CB C @:' 9!' (; :' <(< ;' < :' (; :' A ; 9 :' !<: B' AC ' @ :C :B ' ; :' = <FCB :' :(6 :B' (9' <(' ?9 <(<9 'C(' S< >:: ' C!(: ' <F ; ('!C ' : B' (; :' <F ; (' =C((C <9 ' C B' CQ< <C E' ; 9 :' 9< :B'<(' :U(' D 9 < F ' (; :' :?9 (' 9!' (; :< ' C < C ' C B' (; :' :!!:@(' 9!' (; :' !9 AC B' D9 :D : (' B:(: :B' 39> C' ! 9D' : :A< F' (; :' C((C@>' ; :' 2 C= C(C ' < ' C?; C< ' N9 B) ' =C((C <9 ' B: : (:B ' C B' C' ?C (' 9!' (; :' :A E' C< :B' C6U< <C E' ; 9 :' A: : 'C(' (; :< '9A ' B: < : ' ?: D<((:B' (9' V6<('(; :' <(< ;' @CD ?' =6(' 9(' 9 :' :?9E' 9!' (; :' :F6 C ' : <@:' :!(' =< ' @9 96 ' ; :' 6D=: ' 9!' (; :' <(< ;' (99? ' : FCF :B' C('(; :' C!!C< '9!' S< >:: '< @ 6B< F' C?(C< ' N9 B) ' =C((C <9 ' AC ' W OOO' C >' C B' !< : '9!' A ; 9D' C=96(' OOO' A : :' 6 9?:C ' ; :< ' 9 ' AC ' @9D ?C C(< : E' (<! < F ' CD96 (< F' 9 E' (9' :<F ; (E' <U' D : '< ' >< :B' C B' A96 B:B ' !<!(E' 9!' A ; 9D' A : :' 9!' (; :' :?9E ' 9 ' (; :' :!(' ; :' 1 C ; C((C' C DE' @9 < (:B' 9!' &O OOO' ; 9 :' C B' O OOO' !99('A<(;' &,'F ' + ;< ' 6D=: ' < 'F< : '! 9D' (; :' C9(C' :(6 'C B' B9: ' 9(' < @ 6B:' # OOO' ; 9 :' C B' W OOO' !99(' (C(<9 :B' A<(;' (; :' : ; AC' C(' NC =6((: ' 9' (; C(' C : :' C9' =CB' C :CBE

@9 :@(:B' (;< (E'(; ::' (;9 :6B' D: ' C(' 99 C ;:E' :B'
@9 <B: C= E' ;C < F' 9 (' !< :' ;6 B :B' D: '< '>< :B' C B' 96 B:B' '
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!C(C <(E' KC ' D9 (C E' K9 B:B' =E' C' F C?:' ;9(' ! 9D' 9 :' 9!'
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(< :'@;C C@(: '9!' C ::' C9 '? : <96 '9 BD ' =:@CD :' C??C : ('! 9D'
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C 9(;:' ' '(;:' !CD < <: 'C B' !9 9A: ' 9!' (;:'(99? ' A;9'!: '< (9'(;:'
=C B ' 9!' (;:' ! ; C((C ' A: :' 9==:B' =:C(: ' C B' ! :V6: (E' D (<"
C(:B' ' (;:' FC B: ' A: :' B: (9E:B ' (;:'(:: ' A: :' (9 ' ! 9D' (;:'
99('C B' (;:' F C : 'A: :' B6F' 6?' ' F< : : ' 9!!<@: '9 ' 6 :E '
AC 'C((C@>:B' C B' >< :B' ' (A9' = 9(;: ' 9!' (;:' CD :' 9!' C F;C '
9 :' 9!' (<:D' C' @C?(C< ' < ' (;:' 1CB C ' C DE ' A: :' (C>: ' A;< :'
(C : < F' =:(A:: ' 9D=CE' C B' 99 C ' :C ' (;:' < CF:' 9!' C E"
FC D 'C B' (;96F;' (;:E' DCB:' 9' : < (C @:' A: :' D9 (' =C =C 9 E'
=C F:B'6 B: '(;:' 6?: < (: B: @:' 9!' C' C;D< ' CD :B' C= : :' 6 ('
39> C' +C!(: AC B ' <D? < 9 :B' < ' C' A99B: ' @CF:' < ' (;:' N9 (' 9!'
< F;C R Y

'F :C('>< FB9D 'AC ' : : ' 9 ('< ' C' D9 :' < @9 <B: C= :' C@(<9 '
;:' : ;AC' M' C(' 9 ' (;:' 99>E' = 9A' Y' 9 : 99>< F' (;:' ? C< ' 9!'
< >:: 'C B' A<(: :B' (;:'B< ?: <9 ' 9!' =< ' C DE

2 :'@96 (:B'(;:D'C(= :C>'9!' BCE
B' A;: '(;:' 6 ' :('A;: :'A: :'(;:E'

K;: ' 3: : C ' D<(;' DC @;:B'9 ' 99 C' A<(;'C' B< < <9 'A;<@;' =CB'
=:: '< (: B:B' (9' (C>:' ?C ('< ' (;:' AC '< ' : (C ' B<C ' =C(' =CB' =:: '
=C<(:B'9 ' (;:' 39BC : E' C ' 99 'C '<(' AC ' > 9A '(;C(' (;:' N: =AC'
D:B<(C(:B' C ' C((C@>'9 '(;:' 6= <B<C E' !9 @: ' (;:'B:!:C(:B'C DE' : C[
@6C(:B'(;:'9< E 'A;<@;' (;:' <(< ;'9@@6?<:B' 99'(;:'&#(;'9!' 9 :D=: '
D9 F' (;:' ?9< ' @C?(6 :B' AC ' C' 36 ?6((::' 9 ' 3C : =' (;:'
!C 96 <(:' <B9 ' 9!' (;:' 1C; C((C ' 9!' 9 <B' F9 B ' A<(;' B<CD9 B '!9

S <(/,S.O' 0 & '(9'

: : R'C B'@9 : :B'A<(;' :A: ' ('AC' C< :B'C('f#0 OOO' 3!:V: '
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@C?(C < F' C((C C' C B' (;:' C C'+(;:' :? : : (C(< :'9!' (;:' BE C (E'
9!' < C : :R' 3: : C' <(Q : ' C!(: AC B '(99>'DC E' 9!' (;:' !9 ('
A;< :'3: : C'+ < ' ;9DC R' 1 9' A;9' 9A'!9 ' (;:'!< (' (<D:'F9('
C '9??9 (6 <(E'9!' ;9A< F'(;C(';:';CB' (C : ('!9 'AC 'C 'A: 'C '!9 '
@< < 'CBD< < (C(<9 '?6 F:B' < (9' (;:' 9 (=: ' 1 = C(<C' 9 < E'
! 9D' ;C KC ' A<(;' C' DC ' = <FCB: ' C B' @C?(6 < F' (9 (' C B'
:B 9< F' B< (<@(' 9 ' ;< ' ACE ' :D: F:B' C(' =9 C?9 : ' A;: :'=:'
C((C@>:B'C B' 96(:B' (;:'9 E' 9 FC <Q:B'=9BE'9!'< !C (E' 9 'A=<9;'
(;:' : ;AC' D<F;('(< ' ;C :' : <:B' ' 9D=CE' @9 6D ' 6 B: '
@B9 :' N 9(;:!' @9 <(< F' 9!' C=96(' & WOO' D: ' 9 : C ' (;:'
9 (;:D' 9 @C ' (C>< F' < C ::)' !CD96 ' !9 (' 9!' C<F< ' C B'
9(;: ' (9 F' ?C@: ' ;:' 9 E' C@(<9 ' C!(: ' (;C(' 9!' S< >:: 'A;<@;'
::B ' ?C (<@6 C ' 9(<@:' < ' C ' C@@96 (' 9!' 9D=CE' < ' (;:' ;: 9<@
B:!: @:' 9!' (;:' < CF:' 9!' 9 EFC6D '
@(<9 '9!'S9 EFC6D '5C '&' . :' < : ' ;::DC ' 9(' !C ' ! 9D
N99 C ' 2: :'(;:'W B' =C((C<9 '9!'(;:'
& (' :F<D: (' C(< :' !C (E' #OO' (9 F' A<(;' (A9' <U'?9 B: '
DC :B'=E'W,' 6 9?:C '9!'(;:' 1CB C ' (< : E'6 B: 'C' : :C ('
C B' <:6(: C ('C B' C' B:(C@;D: ('9!'< :F6 C '@C C E' =: 9 F< F' (9'
(;:' :F<D: (' 9A' > 9A ' C ' (;:' N99 C' 2 9 :' !9 6B' <(:!'
9 ' :A' :C) 'BCE '&O&O' A;< :'9 '<(' DC @;' ! 9D' : 99 '(9' N99 C'
< ' ? : : @:' 9!' C' 1C; C((C' C DE' 9!' W# OOO' ;9 :' A;9' A: :'
?::B< E' :< !9 @:B' =E' C=9 (' W OOO' < !C (E' +9;<9!<E' C= ' C B'
3 9 C:: R' ;:' 1C= C((C ' 6 96 B:B' C B' C((:D?(:B' (9' (9 D'
(;:' < CF:' C B' 9=(C< :B' ?9 : <9 ' ' C' (9 F' ?9 <(<9 ' < <B:'
<(' ! 9D' A;<@;' (;:E' 99 B' 9(' =:' B< 9BF:B ' ;:' <(< ;' (99? '
;CB' :<(;: '!99B' 9 ' AC(: ' C B' C 'C@@: '(9'(;:' < : ' AC ' @9(' ('
=C(' (;:E' !9 F;(' (;:' A;9 :' BCE ' B<''?C(< F' : : E' !99('9!'F 96 B'
(< ' C(' <F;(!C ' (;:' : :DE' : C@6C(:B' (;:' < CF:' !' (;:'B:(C@;H'
D: (' A;<9;' AC ' 6 B: '(;:' @9D DC B' 9!' C?(C< ' (C (9 '&%# D: '
A: :' >< :B' 9 ' A9: B:B' < 9 B< F'WO' 9 (' 9!'(;:'W,' C (< : ED: '
!' (;:' :<F;(' 6 9?:C ' 9!!<@: ' ? : : (' (; : :' A: :' >< :B' C B'
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` 3 N ' ' &O 0 %

á;6 B :B'D: 'C B';CU:'(;:'F: : 9 <(E'9!'C<'9@@C <9 '(9'B9' :(<@:'
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9@@C <9 'M'(;:'W B' C((C <9 '& ('' ' ' :'DCB:'3 : CB<: 'C '(;:<'
& ('=C((C <9 ';CB'=:: '!9 '(;:'B:!: @:'9!' 1C FC 9 :'C B' 6 / &'
'1 #/ R)'=:@CD:'(;:'C <DC(< F' D9((9'9!' (;:' :F<D: (Y' '
D9 6D: ('; C ' < @:'=:: ': :@(:B'9 '(;:'=C((:';: B'=E'(;:' <(< ;'
39 : D: ('(9'@9DD:D9 C(:'(;<' <@(9 E
C ::' C9' C!(: '=:< F' ;6 (:B' C=96(' (;:'@96 (E' !9 ' : : C
g' ' g' ' ' ' ' D9 (; ' C(' C (' !< B< F' ;<' @C6 :
C ::'9 C9' < :' 6 :: !'6?' $ $ 9
(9' <'59 D' 1C @9 D' D:'*' C=C B9 :B' =E' C ' =6(' ;<' ?: 9 C'
a0a0:
!9 9A: ' 6 : B: :B' ;<D : !'(9' <'
59; ' ;(C :9 D' A;9' ;CB' C ACE ' =:: ' ! <: B E' (9' ;<D' C B' A;9'
F6C C (::B';<D'(;:': 9 D96 '?: <9 '9!' f00 000'C'E:C '9 '@9 B<(<9 '
(;C(';:' : 96 @:B'!9 ';<D : !'C B';<'!CD< E'C '@ C<D '(9' 9 : :<F '
?9A: ' 2:' :(< :B'(9' <(;99 '9 '(;:'
a <:'(: D
3C F: 'A;: :' ;:'CB9?(:B' C ';<';:<'
C'@;<B'=9 '<' (;:' < CF:'9!' C : ' C('(;:' !99('9!' 1C(;: C '2< '
A;9'C!(: AC B '=:@CD:'(;:'< !CD96 '2C C' C;<=
;:' 1C (6<'9!' 2C (< F '(;: ' 39 : 9 '3: : C'9!' B<C';CB'
: 9 :B'=:!9 :' C ::' C9'FC :';<D[
;:' E C (E'9((=: : ;AC ' : !' ?'(9'?6('C ': B'(9'(;:' BE ((<E'
B:(; 9 :B'C B' (=: U' B9D<[9!' (;:' : ;AC) ' C B' (9' C :U'(;:'
<9 ' 99 ?9 C(:B' < ' (;:'
9D=CE' : <B: @E'+&O&OR'
F :C(: '?C ('9!' (;:<'B9D< <9 '(9'(;:'
C (' B<C' 9D?C E '(: <(9 E' 2:'
B:(: D< :B';9A: : ' (9' M : : :' C' DC ' (C@(' 6!!<@<: (' !9 '
(;:' @9D!9 (' C B'B<F <(E'9!' (;:'<D? < 9 :B' C C'9!' C((C C'A;<@;'
D<F;(' : :' C' C' @96 (: ?9< :'(9' (;:
S< FB9D'9(' C((C C' : (9 '' :DC< < F' < !6: @:'9!' (;:' C;D< '
:B' =6(' C :U:B' =E' <(< ;
` 9 : D: ('< '&0,0'
@9 @< <C(:' (;:' 1C; C((C' C(<9 ' C B
:C :'C '9?: < F' !9 '(;:' :D? 9ED: ('
9!'DC E'?: 9 '<'(;:<'9A 'ACE'A;9D'<('A96 B';C :'=:: ':U?: < :'
(9' 6= < (' C B' A;9'@96 B' 9('9=(C< 'C' < : <;99B' 6 B: '(;:' F < ;'
CBD< < (C(<9 Y' ;<' ?9 <@E';CB'? 9=C= E'=:: ' 6FF: (:B' =E' 1 '
?;< (9 :'A;9'AC' 9A'C??9< (:B' 9 :' 9DD< <9 :'!9 '(;:' :([
(:D: ('9!' (;:'@9 V6: :B'(: <(9 E'C B'A;9' CB'(;:' C C' !9 DC E

? 99 <D:B C ' 9 :(:<F '9!' (; :' S< FB9D' 9!' C(((C C' (' ;CB' =: : ' C' !C 9(< <(:' <B:C'9!' 1CB;C : :' .@< B<C) ' (9' (9 :' (; :' B: @: BC ('9!' < C : :' (9' C' ?9 <(<9 ' < ' A ;<@;' ; :' D<F; (' =:' DCB:' :'9!' (9'@; : @>' (; :' ? :(: <9 ' 9!' (; :' C; D< ' C(' 99 C ' C B' ?: ; C? ' C' C(< :' @; <: !' 9!' @C?C@<(E' C B' : 9 6(<9 ' D<F; (' ;C :' !C< E' ;9?:B' (9'@C E' 9C(' 9; ' C' B: <F ' C@9: ! E' C(' <(' AC ' (; :' ; :<F; (' 9!' <D ? <9<(E' (9' :U?:@(' (; C(' C' D: :' 9D< : :' 9!' (; :' <(< ; ' 39 : D: (' A99 B' ;C :' (; :' ?9 <(<@C ' A :<F; (' (9' AC C (' ; <D' < ' : FCF< F' < F : '; C B:B' < ' C' @9 ! <@(' A<(;' (; :' C; D< ' ; :' BE C (E' 9!' < C : :' =CB' ! 9D' (; :' !< (' ? :?C :B' (; :' ACE' !9 ' ?(. D< ' C @: BC @E ' C B' (9' :U?:@(' (; :' : (9 :B' C C' ' C((C C' (9' =:' D9 :'< B:?: B: ('(; C ' < C : :' ; <D : !' ; CB' =: : ' AC ' @C @: E' :C 9 C= : ' 6@; ' :U?: <D: (' <?' (; :' C (' 9!' ?C((< F' :A' A< :' < (9' 9 B' =9((: ' C : ' < '(; :' C(6 :' 9!' (; < F ' =9 B' (9' (C< ' '< ' (; :' <D< C ' @C :' 9!' 1E 9 : ' (; :' : (9 :B' BE C (E' 9!' C((C C' AC ' !96 B' (9' ; :' ?9A: : '!9 ' F99B ' (; 96F; ' <(' @96 B' ? 9(' D< @; <: !' CFC< (' <(' ? 9(:@(9 ' ; :' : (9 :B' C C ' : (C=' < F; ' AC ' B:?9 :B' < ' &O*P' !9 ' : FCF< F' < 'C' :B<(<9 ' @9 : ?9 B: @: ' C B' ; < ' = 9(; : ' A ; 9' 6@@: :B:B' ;<D ' ; C < F' B<:B' A<(; 96(' < 6:' < ' &O,O' 9 B' C =9 <:' B:@ : :B' (; C(' (; :' >< FB9D' ; CB' C? :B' (9' (; :' <(< ;' 39 : D: (' C ' (; :' C CD96 (' 9A: ' < ' B<C ' C B' C(((C C' =:@CD :' 9 :' 9!' (; :' :F6 C(<9 ' B< (<@(' 9!' (; :' 9D=CE' : <B: @E

S!CC B: ; ' A ; <@; ' =CB' =: : ' C<B' AC (: ' C B' C D9 (' B: ?9?6 C(: B' =E (; :' C<B ' 9!' 29 >C ' C B' (; :' < B ; C" S ; C B: ; 'C@C6< : B' +&O&O R' : : ' AC ' C@V6< : B' C(' (; :' ?: C@: ' 9! &O&O ' A ; : ' 29 >C ' DCB: ' 9 : 'C ' ; < ' <F; (' 9!' 9 : :<F (E' < ' (; :' ? 9 < @: ' (9' (; :' <(< ;' 39 : D: (

19 (' 9!' (; :' B< (<@(' < ' (; :' 9 @C ' C ' A : 'C ' (; :' :@@C ' A : :' @9D? < : B' < ' (; :' : ; AC) ' B9D< <9 'C B' (; : :!9 :' =: @CD :' <(< ;' (: <(9 E' < ' &O&O ' ; : : : DC< : B' (; : :' < B: ?: B: (' 1C; C((C' ? < @<[?C <(<: ' (; 9 :' 9!' S9 =C?99 ' CA (' K C : : 'C B' F <C ' S9 C=C '

S9 ; C?99 ' < ' (; :' < ; : <(C @: ' 9!' (; :' E96 F: '= C @; ' 9!' (; :' =9 :' 9!' < C : : ' M' ' (; :' AC ' A<(; ' (; :' S9 ; C?99 ' : ; A9' < ' &O&%' =C' C; : =' (; : :<F < F' C C; ' @9 B<C E' <B: B' A<(; ' (; :' <(< ;' 39 : D: (' C B' < ' : AC B' !9 ' =< ' : <@: ' : @: < : B' @: (C< ' CBB<[(<9 ' (9' =< ' B6D< <9 ' ; :' 6@@: 9 ' 9!' (; < ' < @: ' CAC' C; : =' ? 9 :B' 9' ? 9! <FC(:' C B' 9?? : < :' C' : ' (; C(' C D:B' < (: !: : @:' AC ' 9 ' D9 :' (; C ' 9 :' 9@@C <9 ' !96 B

:@: C E' B' C!(: ' ;< ' B:C(;' < ' &O*O' (;:' D< 6 :' B6 < F' (;:' D< 9 <(E'9!' ;< ' :9 ' 'AC ' 9' F :C(' (;C(' (;:' <(< ;' 39 : [D: (' < (: !: :B'C B'C??9< (:B' C' D< < (: '9!'<(' 9A ' ' :=: <9 ' !9 9A:B'C B'6?9 '<(' 6?? : <9 ' (;:' B< :@(' CBD< < (C(<9 '9!'(;:' (C(:' AC '< ' &O,W' C 6D:B' =E' (;:' <(< ;' 39 : D: (' !!C< ' :DC< :B'< ' (;< ' (C(:' (< ' &OTW' < :AC B' !9 '(;:' 9EC (E' ;9A ' =E'(;:' C C;' < C : 'B6 < F'(;:'D6(< <: '9!'&O#%'C'! : ;'(:C(E'AC ' @9 @ 6B:B'6 B: '(;:'(: D '9!'A;<@;' ;< '>< FB9D'AC ' : (9 :B'(9'(;:' C C;'C B'(;:' <F;('9!'CB9?(<9 ' @9 @:B:B'(9';<D ' ;< 'B:C(;'< ' &OTT' < C :'AC ' 6@@::B:B' =E' ;< ' CB9?(:B' 9 'SC C CD ' C' D< 9 ' ;:'6 (<D:E'B:C(;'9!'(;< '? < @:'< '&O%O' :@: <(C(:B'C'! : ;'CB9?[(<9 ' ;:'@;9<@:'!: '6?9 '(;:' C(:' C C;' < C : 'A;9'C('(;:'(<D:' 9!';< 'CB9?(<9 'AC 'C'=9E'9!'C=96(' : : : 'E:C '9!'CF:'A;: ';:'AC ' CB9?(:B'=E'(;:'A<B9A:B' C :' 9!' (;:' C(:' C CD ' ;:'E96 F' ? < @:' ;9A:B' ED?(9D ' 9!' < C <(E' C B' ;:' AC ' ? 9 96 @:B' ;9?: E'< C :'=E'C'@9D D<((:' 9!' 9?:C ' D:B<@C 'F: (:D: ' C???9< (:B'=E' 39 : D: (' 2:'B<:B' < ' (;< ' (C(:'C(' ;D:B 6FF ' 9 '(;:' W#(;:D=: ' &OO*' C(' (;:' CF:' 9!' W,' ;:' (C(:' AC ' CBD< < (: :B' B6 < F' 2 ' < C <(E' =E' C' 96 @<' 9!' :F: @E' ' (;:'6 !9 (6 C(:' < @:' :!(' 9' ;:< ' (9' @@::B' ;<D'(9'(;:'(; 9 :' C 9(;: 'CB9?(<9 ' ;CB' (9' =:' DCB:' @@9 B< F E' =E' (;:'@9 : (' C B'C?? 9 C'9!'39 : D: (' : =AC (' C9' C=C' C;<=' : (B' (' 9 ' 9!'(;:' :F: (' 5CE < F' C9' =C' C;<=' AC 'CB9?(:B' =E'(;:'E96 F' A<B9A'9!' < C ::' C ' 96' C B' ;:< ' (9' 2< ' C(:' 2<F; : 'C B';:' C @: B:B'(;:' 3CB< 9!' S9 C;?@9 ' 9 ' (;:' &O(;' 1C @;'&OO,'6 B: ' (;:' CD:'?!' ;C;6'3;;C<.?C(< ' 1C;C C C;

;:' CAC (' KC ::' (C(:' < ' C ' 9 B' ?9 : <9 ' 9!' C'= C @;'9!'

CAC (' KC :: (;:'!CD< E'9!' ;9 CE'(9'A;<@;' < C[::' =: 9 F:B' ;:' 9D=CE' 39 : [

D: (' : (' C' !9 @:' < (9' (;< ' (C(:' < ' &OWO' (9' 9=(C< ' :B : ' !9 ' B:? :BC(<9 ' @9D D<((:B' 9 ' <(< ;' (: <(9 E' <!=:' ;<:!' AC ' (;: ' (C>: ' 6 B: ' <(< ;' ? 9(:@(<9 ' =6(' < ' &O*O' C!(:' : : C ' < 6 :@(<9 ' =CB' =:: ' 6?? : :B' ;:' :<F :B' C ' C6(;9 <(E' A;<@;' ;:' B<B' 9(' > 9A' ;9A' (9' 6 :' C B' :!(' (;:' <(< ;' CF: (' (9'CBD< < (: '(;:'@96 (E'!9 '(;:'? : : ('@ <<:!

;:' (: <(9 E' A;<@;' :DC< :B' < ' (;:' ;C B' ! F <C)<'!CD< E F <C) ' 9 C=C' C :U:B' C? :B' (9' (;:' <(< ;' 39 : D: (' < &O,&' A;: ' CF=9 :' F <C' B<:B A<(;96(';:< ' ;< '@C :'9!'M C? :Y' :U@<(:B' D6@;' B< @6 <9 'C ' A<(;' <(' =:FC ' A;C('<(' < ' 9A' (;:'!C ;<9 '(9'@C 'M'(;:' C'9!' C :UC'

TT < H ' 3 < ' ' ! (!

(<T Y' <<9 B' @KC B' (;:' 39 : 9 '3 : : C ' AC ' :;:D: (E' C((C@>:B' C(' (;:' (<D:' =E' 1 ' 2 ' (<' 3 :9 F:' 6@>: 'C B' 9(;: '@< <$' \C !'!9 ' 9('C 9A< F' CF;9 : :) ' A<B9<(' (9' CB9?(' C' 9 ' =6(' (;:' ? < @<?C <(E' AC 'C :U:B 'C B' 9A' !9 D '(;:' 6=.B< (<@(' 9!' <=CF

! ' ;C :' 9A' (C@:B' (;:' ?9 <(<@C ' ;< (9 E' 9!' 96<=CE'! 9D' (;:' (<D:' A ;: ' <(' AC ' C ' < 9 C(:B' C B' (9 < F' <((:' :((:D: (' C' =C : ' < C B' 9b' (;:' A: (: ' @9C (' 9!' B<C' (< ' <(' =CB' C= 9 =:B' (;:' A ;9 :' 1C; C((C' :D?< : ' A<(;' (;:' :U@:?(<9 ' 9!' (;:' '@9 V6: ('DCB:'=E' (;:' 1C; C((C ' < ' 3 : (C ' B<C ' ;:' !9 (6 : ' 9!' 9D=CE' K: :' 9' @9 : E' < (: A9 : ' A<(;' (;9 :' 9!' (;:' 1C; C((C ' (;C(' <(' AC ' :@: C E' (9' F9' D9 :' < (9' B:(C< ' (;C ' DCE' ?: ;C? ' =:' @9 <B: :B' :F<(<DC(:' < ' C ' ;< (9 <@C ' C@@9 (' 9!' (;:' < C B' 9!' 9D=CE ' =96(' (;:' : E' (<D:' (;C(' (;:' F< ;' C@V6< :B' 9D=CE ' < C :' ;CB' A : (:B' (;:' 3 @C ' ! 9D' (;:' 1C;6DD:BC 'C B' : (C= < ;:B' ;< '@C?<(C 'C(' C<F=6 'KAWWJN C B' <(' A96 B' ;C :' (;: ' ::D:B' <B<@6 96 '(9' ? 9?;: E' (;C(' (;:' (C F: ' A ;9' @96 B' =C : E' >::?' (;:< ' !99(;9 B' 9 ' (;:' ;9 :' 9!' B<C' A96 B' : B' =E' 6=B6< F' =9(;' 16 6 DC ' C B' 1C; C((C' N9 ' :C E' C' : :A'9!'? 9F : 'DCB:'=E' 9D=CE' C @:' &TTW' ;:' F\ ;' C B' (;:' 1C; C((C @: (6 E' (;:' C?<B' ? 9F : '9 !' (;:' 1C; C((C' ?9A: ' :!(' (;:' F < ;' !C ' =:;< B' ' C B' A:' ;C :' :: ' (;C(' (;:' C (' B<C' 9D?C E' !96 B' <(' (9' (;:< ' < (: : (' (9' 996:< <C(:' C' C(<9 ' A ;9 :' D< <(C E' C?(<(6B:' ;CB' < 'C' = <:!' ?C@:' DCB:' (;:D' DC (: ' 9!' (;:' F :C(: ' ?C (' 9!' B<C ' C B' A ;9' A: :' B< CF ::C= E' C@(< :' C ' ! ::=99(: ' C(' :C' C ' A: ' C ' 9 ' C B' < C ::' (;:' !96 B: ' 9!' (;:' 1C; C((C' :D?< :' ;9A:B' 6 V6: (<9 C= :' F: <6 ' < ' 9 FC <Q< F' C ' C DE' C B' C' @< <' CBD< < (C(<9 ' =C(' <(' 99 ' C??:C :B' (;C(' (;:' 1C; C((C ' @96 B' 9 : 6 '?6 B: ' C B' B: (9E' B:@CE< F' (C(: ' =C(' @96 B' 9(' !96 B' C' C (< F' B9D< <9 ' 9!' (;:< ' 9A ' ;:< ' @9 !:B: C@E' V6<@> EI' B:F: : C(:B' < (9' C' @9 F: <: ' 9!' (C(: ' 6 :B' =E' < (<F6< F' ? < @: ' A ;9' A: :' C <DC(:B' 9' B96=(' =E' C' @9D[D9 ' ;C(:B' 9!' (;:' !9 :<F : ' =6(' A ;9 :' D6(6C ' :C 96 E' DCB:' (;:D' A:C>: ' 9 :' C 9(;: ' =E' < @: C (' AC !C :' (< ' : : ' A ;: ' @9D=< :B' (;:E' @96 B' :!!:@(' 9(;< F' CFC< (' (99?

C <DC(:B' =E' C' @9D D9 ' : (<D : (' 9!' ?C(<9(<@' CD=<(<9 'C?B' (C< :B' (9' AC '6 B: 'C' : : :' B< @<? < : ' : . C' 9!' (;:' 1C; C((C' ? < @: ' (<:B' (9' !<F;(' (;:' F < ;' A<(;' (;:<'9K ' A:C?9 ' =E' 9 FC <Q< F' =C((C <9 ' 9!' :F6 C '< !C (E ' CFC< (' (;:' 9?< <9 '9!' 9D :' 9!' (;:' E< : (' 1C; C((C' (C(: D : 'A;9'B:@ C :B' (;C('(;:' (: F(;'9!' (;:' C(<9 ' CE' < ' < :F6 C '@C C E' <(?B'(9'B: 6 (9 E' AC !C : ' 6(' A;: :' (;: :' < ' 9' @< < 'B< @<? < :'<?' C' (C(: ' D< <(C E' B< @<? < :' :<(;: '@C 9(' =:' DC< (C< :B '9 '<(': @96 CF: 'D: @: C <: '(9'?9 : ' (;:D : : ' 9!' ?9 <(<@C ' ?9A: ' ;:'BE C (E' 9!' (=:' N: ;AC ' 9 E' :U< (:B' !9 ' : : (E' E:C 'C B' <('B:@CE' AC ' 9' C?<B' (;C(' <!' (;: ' F < ;' ;CB' 9(' B:(; 9 :B' C ::' SC9 ' (;:' C=' D: @: C <: ' A;9D' (;:' 1C; C((C ' =CB' ;< :B' (9' !<F;(' !9 '(;:D' A96 B' 99 ' ;C :' !96 B:B' >< FB9D '9!'(;:<'9A '< ' B<C' 9':U(:D:' AC '(;:'D< 6 :Z 6 (<@:' =:< F' B: <:B' (9' : : E? :' A;9' @96 B' 9(' 6 :' !9 @:' (9' 9=(C< '<(' A;< :' @6 (< C(9 ' C B' @<(<Q:9 'C <>:' A? :' F ?6 B' B9A '(9' (;:' B :(' =E' : : '< @ :C < F' (CUC(<9 Z (;C(' 9 E' (;:' @96 (' !C 96 <(: ' C B' D< < E' @;<:!' C B' CB : (6 : ' :F :((:B' (;:' @;C F:' 9!' F9 : G' D: (' : ' (;:' 9 B<:)' ?CE' AC ' < ' C :C ' ?6B' DC E' 9!' C ::' SC9) ' (99? ' : (: :B' (;:' : <@:' 9!' (=:' <(< ;' 39 : [D: (' K<(;< ' (;< (E' <U' ;96 ' C!(: ' (;:' ? 9@ CDC(<9 ' 9!' (;:' : ;AC) ' B:(; 9 :D: (' 6(' A;< :' (;:' < :' 9!' (;:' F < ;' ?9A: ' DC (' =9' C @ <=:B' < ' 9D :' B:F ::' (9' (;:' CB<@C ' < @C?CG' @<(E' 9!' 2< B99 '(9'B?'C E' A9 >' A;<@;' (;:E' B: (C>:' (;9 96F; E' C B' @9D? :(: E 'C B' (?' (;:' D9 :' E (:DC(<@' C B' (: 69 '@;C C@(: ' 9!' K: (: '@< < <QC(<9 '<(' ;96 B' : : '=:'!9 F9((: '(;C('(;:'@9 V6: (' 9!' B<C' < ' :? E' (;:'! <(' 9!' (;:' < ?9D ?C<C= :' !<F;(< F' V6C <(<: ' 9!' (;:' <(< ;' 9 B<: ' !(: 'C<' < ' C<B' C=96(' (C(: DC ;<?' C B' @6 (6 :' <(' :DC< ' (6:' C' =E((? ' ?6(' <(' (;C(' AC&CCC F < ;' V B<: ' 9(' 9 :'9!' A;9D' ?: ;C? ' @96 B' :?:C('C' < :' ! 9D

' ;< '9<' <9 'AC ' ;C :B' =E' (;:' 6>:'9!' K: < F(9 'A;9'A 9(:'< 'AECG»' ' (;< >' <('< 'D6@;' (9' =:'B96=(:B' <!' (;:'?9A: '9!' (;:' 1C; C((C' C(<9 ' A96 B' @9(' ;C :' =:: 'D= :'(9 D<BC= ' 'C(' !CG(' 9(;' <(< ;' 39 :< ': ('<!;:E'=CB' : : =CB'C' C @<':C '9 'C '< !C (E' 9 B<: '< ' ;:< ' : <9' 'C B' =CB C< <:B'9 '(;$< ' 9?: C(<9 '< '(;:'DC : '9!'(;:9 <'< C5 1C; C((C '9 E' =E'D :C '9!'@C C E' ' ;C :' 9' B96 =>' A;C(: : ' (;C((;:' D< <(C E' ?< <('9!' (;:' C(<9 ' ;C ' =:: ' B: (9E:B' =E'(;:<' : (C= < ;D: ('9!' < !C (E'C B C (< : E Z?9 <= E '< B::B ' =E' 9(;: '@C6 : Ÿ'

C E' F < ;' C6(;9 'D<F;('9 : (6 ' (;:' :D?< :'9!' ;< C'(9'BCE' CC' :C < E' C ' (;:E' 9 : (6 :B' (;:' :D?< : ' !' 1 9F6 'C B' 1 C; C((C.
< @:' &OWO' B: ' C B' 9< B:' ;C :'=:: ' CBB:B' (9' (;:' (: <(9 <: ' 6= :@(' (9' (;:' 39 : D: ('9!' 9D=CE ' B: ;:'!9 9A< F'= <:!' C@@96 (' 9!' (;: :' C(: ('C@V6< <(<9 'C :'(C>: '! 9D'(;:' 9D=CE' BD< < (C(<9 ' :?9 (' !9 '&O%W$%*".H.' ;:' ; ('?9 <(<@C '< (: @96 :' A<(;' (;:' C=' @;<:! ' 9!' B: '(99>'? C@:'< '&%PP'A ;: '(;:'B:(C@;D: (' : ('A<(;'(;:' <:A'9!' 9@@6?E< F' (;:'< C B'9!' : <D' AC '!9 ' 9D:' (<D:' :@:< :B' C(' B: ' =E' (;:' 6 (C '9!' C;: ' : C(<9 'A<(;'(;< '@;<:!'@9 (< 6:B'! <: B[E' (< ' < '&O*%' (;:'? 6 B: '=E' (;:' C= '9!' C' ;<?A :@>:B' 9 :A' @C :B' !9 ' C(< !C@(<9 ' C B'C '(;:'B:DC B '9!' 39 : D: (' A: :' : CB:B ' B: 'AC '=9D=C B:B' C B' (C>: ' ' &O*P' 2< 'C((:D?(' (9' :FC< '?9 : <9 '? 9 < F' 6 6@@: !6 '(;:' 6 (C '9!' C;: '< ' &O,*' 6:B'!9 '?:C@:' 'CF ::D: (' A.<' (;: 'B CA '6?'C B' C!(: AC B ' < ' &O,P' : :A:B'< '(;:'!9 D'9!'C' #'9!' ?:C@:' ! <: B ;<?' C B' @9D D: @:' !' C(:' :C ' (;:' ? 9F : ' 9!' 6 >< ;' ?9A: ' < ' 96(;: ' C=<C' ;C '@C6 :B' 9D:'6 :C < : ' CD9 F' (;:' @;<:! ' <

'M ;:' F < ;' 9 B<: 'C :'(;:' DC< '!96 BC(<9 '9!' (;:' <(< ;' ?9A: ' < ' <C' ;:E'C :'C'=9BE' A<(;' ;C=<(' DC :'C B'V6C <((<.'?:@6 <C '(9'(;:D' < '(;:8 C (' B<: ' C :E'< '(;:'@;C C9('<(<@'9!' (;:' <(< ;' C DE' < ' C ' V6C (: '9!'(;:'A9 B' '=6(' 9'9(;:'V6C (: ';C C!!9 B:B' 6@;' (<>< F':UC D[? : '9!'(;:'U< (: @:'9!' (;< 'V6C <(E'< '(;:' 9 B<: ' C ' (;:' C (' B<: ' < (C @:'9!' (;:'< D< =:;C <96 ' < ' (;:'!<:B' ;C ' : ' ' : D:' > 9A ' C B' ?C (<@6 C E' (;9 :' A ;9';C :'=:: '!9 ' 9D:'(<D:' < '(;C(' @96 (E' @C 9(' =:' 9 B: :B' 6?9 E' : <@:' ;9A: : 'BC F: 96 '9 'C B696 '(;C(' (<:E' A< ' 9(' :(!:@(' 9('9 E' A<(;'= C : E'=6('C'B:F :' 9!' >< ' 9(' 9!(;' A<(: :B' < ' ?: 9 '9!'(;:<'B: @ <?(<9 '< ' 9(;: ' ?C (' 9!' (;:' A9 B' d C((<=6(:' (;: ;:' V6C <(<: 'A ;<@;'C :'?:' 6 <C '(9'(;:D'< '(;:' C (' B<: '(9'(;:'B< (< @(;' 9!' (;:<'@C '< '(;C('@96 (E' 9D'C '9(;@< ;U< (< F'< '<(' &;:E'!:;'(;C('(;:E' C :'C'B< (<@('C B' 6?:<9 '@C '(9'(;:' ('9!'(;:' A9 B' A ;<@;' 6 96 B' (;:D 'C B'(;:<'C@(<9 '@9 :?9 B' A<(;' (;:<' ;<F:;' 9(<9 '9!' (;:<' 9A ' 6?: <9 <(E' BB'(9'(;:' 'V6C <(<: '(;C('<;:<'=9B<: 'C<:' < 6 :B'(9' @ <DC(:' ;C B ;<C B' !C(<F6:'=E' 9 F' :&B:@:' ;C=<(' C B' :U: @< : '(9' 6@;'C' B:F ::' (;C(' &' ;C :' :: ' (;:D' !9 ' E:C ' (9F:(;:' <' (;:' !<:B' A<(;96(' 6!!: < F'C E'DC(: <C' <@> : '';C(;C' ;C :'DCB:(;:D'< C @;' T=' D< : ' < ' *0' ;96 0'C B'C!(: AC B ': FCF:(;:' :DE' C B' <' A< ' 9(' =:' 6 ? < < F' (;C(';E' ;96 B'=9' : ?:@(. 'C ';E'C :'(;96F;96(' B<C' ;<' A:C>' : 'T*'C B' <@: ';9A: :' :?6F C '(9'(;:!:< F ' C B'? :6B<@:'9!' (;:' C(< :'C :'?C :B'9 :' < ' (;:' @9 (:D? C(<9 ' 9!' (;<' :U@: :('V6C <(<: ' C 9 B<:< ' 9!' A :<@;' 9' C(<9 ' ';C ' ;<(;!. (9' F< : ' 6@;' :U(C9 B< C E' < (C @:H' ;:' :'V6C <(<: 'C :' (;:' !96 BC(<9 ' 9!' (;:' <(< ;' (' F(;' < ' <C 'C B'9!'(;C('9?< <9 '=E' A ;<@;'<'< 'F: : C E' 6??9 :B'(;C('(;:' <(< ;' :D?< :';C '=:: 'FC< :B' C B'6?;: B' ;: :'V6C <(<: ' ;9A'< ' A ;C(' DC :' C(<9 '@9 < \ F'9!'D< <9 'C :'F9 : :B' =E' *0 000' (C F! ' 6) %)' 2 'L6 ' :' &OO#' ! / 'H 8 ' AA&N

C@@: !6 '=9D=C BD: ('9!' 19=CDD: C'=E' (;:' ;<? '9!' (;:' B<C ' C E'6 B: ' C?(C< ' 96 F' ' ;:' C DE' 6?? <:B' (;:' C(< :' :F<D: ('(;:'& (' : CB<: '(;:'&W(;' ' ' (;:' WT(;' ' ' (;:' @< B:'29 :'C B'(;:' 99 C'29 :'A;<@;'!96F;('6 B: ' <' ;C :' 2C?<: 'C('1::C ::' ' 9D=CE'@9 6D 'CB C @:B'(; 96F;'(;:' 9 C ' C ' (9' C BC;C ' C B' 3;6Q ::' C B' (9' S: C(' < ' &O**' C B' ?C (<@<?C(:B'< '(;:'F 9 <: 'A<(;96('< @6 < F' C E'9!' (;:'B< F C@:'9i' (;:' !F;C 'AC ' ('(;:' 6@@: !6 ' <:F:'9!' 199 (C '< ' `'(;:' 9D?C E) '& (' 9D=CE' 6 <<: ' !CD<<C E' > 9A ' C ' (;:' I' B' 96F; Y' C B' 9A' 2 '1) '&O* B' :F<D: .'?C (<@6 C E'B< (< F6< ;:B' (;:D : : ' ' 9D=CE'3: : C ' (;:'= C :'C B'@;< C 96 ' 6(CD' @9DDC B:B'(;:' : <C ' U?:B<(<9 '9!' &O#T'C B'(;:' C(< :' @C C E' C B'< !C (E'9!'(;:'!9 @:' A: :'C D9 ('A;9 E' 6?? <:B'=E' 9D=CE ;:' 9D=CE' :?9E' ?9(A<<; (C=B< F' (;9' 6 !C 96 C= :' 9?< <9C' (;:' 6>:' 9!' K: < F(9 ' ;CB' 9!' ;<D ' ;C ' C ACE ' =:: ' :DC >I' C= :'!9 '=< ' :CB< : '(9' : :'C= 9CB'< ' ;<6C' 9 ': :A;: :' 'C B' (;:' 1C < :' C((C <9 ' < ' ?C (<@6 C ' ;C ' B< (< F6< ;:B' <(: !' < ' DC E': FCF:D: ('=9(;' C(' :C' C B' 9 ' C B' ! 9D' B: ' : B' &O#%' ' 9D=CE 1CFBC C' (9' C F99 ' C B' C (9 ' ;:' C DE' F: : C E' :DC< :B' !C<(;[!6 '< '&*#%'=6('<('AC '!96 B' :@: C E' (9' B< =C B' (A9' :F<D: ('9!' C(< :' < !C (E' C B' =E' (;:' 9 B: ' 9!' 9 B' ?;< (9 :' C' C(< :'9!!<@: '9!' (;:' 1C < :' C((C <9 'C B'C'? < C(:'9!' (;:'&O(;' ' A;9D'(;:'(;: ' 9DD< <9 :'9!' 9 <@:' 1 ' 9 :((' B:(:@(:B' ?9(H' (< F' (:C 9 ' A: :' = 9A ' CACE' ! 9D' F6 ' 9 ' (;:' ? C CB:' ;:' A;9 :' 1C; C((C'@96 (E' AC '< 'C' (C(:' 9!' F :C('U@<(:D: (' B6 < F' &*#%'#*' C B'<!' C E' :=:'!9 @:' ;CB' 6@@::B:B'< '@ 9 < F' (;:' : =9BBC'C B'?: :(C(< F'< (9'(;:' :@@C ' 9' B96=('DC E' DC [@9 (: ('A96 B';C :' 9< :B'(;:<?' C('(;<'BC F: 'AC 'C : (:B' B' (;:'39 : D: ('9!' 9D=CE'99 B'C!!9 B'(9'B: 6B:'(;<'@<(E'9!' 6 9[?:C '(99? 'C B'(9'B: ?C(@;'! 9D' 99 C'(;:' : (C' B<C'N<: B'N9 @:' 6 B: ' <' 26F;' 9 :'+ 9 B' (C(; C< R' A;<@;' < 'C' = < <C ('@CD'

$ <'K \ <CD' C?<: ' :@;9< F'9!'@96 :' ;< ' = 9(;:)' A9 B ' ?:C> ' 9!' H(;:' 6. (;E :?9E '9!' 9D=CE'Y' C 'Y' DC 'D: 'C B'F: : C<<E'9!' 9A' @C (: ' =C(' ;C BE'= C : 'C B' A< < F' C 'F99B' <'!< :'C B' D9 :'B9@< :'96('9!'<('(;C ' (;:' 6 6<:<'9!'(;:';<F;: '@C (: .';C < F'!:A: ''? : 6B<@: 'C B' : `? <B: Y

?C<F 'DC @;:B'C@ 9 ' B<C'(9' F C'B9!:C(< F'(;:' :=: '< '!< :'=C((: ' C B'@C?(6 < F'(;:' (9 F'!9 ('9!'5;C <:'C B'3AC <9 'C B'D9 :'(;C ' &00'F6 ' !' C(:'E:C '(;:'D9 ('<D?9 (C ('D< <(C E' : <@: ' 9D=CE' ;C' : B: :B';C :'=:: '< '(;:':V6<?D: ('9!'(;:':U?:B<(<9 '(;C('< CBH' :B' =E < <C'(;:'B: ?C(@;'9!'(;:'!9 @:'9!' :?9E 'T 000' (9 F'A;<@;' 9 B' :C@9 ! : B' 6DD9 :B'(9'1C (C'< '&O%0'(9'6?;9 B'(;:'=C C @:'9!' ?9A:'< ' 6 9?:'(;:' DC CF:D: ('9!'(;:' (C ?9 (' C B' 6?? <: ' 9!'3: : C' (:AC () '@9 6D 'C(' C BC;C 'BC < F'(;:' !F;C ' AC '9!' &O%0'%P'(;:'B: ?C(@;'9!'(;:' B<C ' U?:B<(<9 '< '&OOW'(9' FE?('C B' 9!'(;:' B<C ' 9 (< F: ('(9' 6C><D'< '&OO#' '(;:'!9 D: '9@@C <9 ' C=96('&0 000'(99? '9!'(;:'(; :'C D '!6 E':V6<??:B'A: :'B: ?C(@;:B' (;C > '(9'(;:'!C@< <(<: '!9 ':D; >C(<@ 'C!!9 B:B'=E'(;:' < @:) ' 9@>' A<(;< ',% BCE '! 9D'BC(:'9!'(;:'9 B: '(9':D=C >' ;:'39 : D: ('9!' 9D=CE'?6= < ;:B'< '(;:'S +) 'S _ '9!' @(9=:'&W(;:'@9D[?:(:'9!!<@<C' C C(< :'9!'(;:'9?: C(<9 ' '(;:'W B'56 E'C' (: :F CD' AC' :@:< :B'! 9D'(;:'39 : D: ('9!' B<C' (C(< F'(;C('<('D<F;(' ;C 6:@: C E' (9' : B' C' !9 @:' C B' :V6: (< F' (;C('< V6< <: ' D<F;(' =:' DCB:' C'(9'(;:' :C'(9 CF:' C C< C= :' A9' BCE ' C(: ' <(' AC ' < (<DC(:B' (;C(' C' B< < <9 ' AC' (9' =:' ;:B' < ' :CB< : '(9'? 9@::B' (9' FE?('C B'(;:' (: F(;'9!'(;:'!9 @:' KC' F< : ' C(' & 000' <(< ;' C B'# #00' C(< :'(99? ' T 000' !9 9A: ' % 0' ;9 : ' C B' W 000' D6: ' 6('(;:'@9D?9 <(<9 '9!'(;:'!9 @:'AC' 6= :V6: (E'DC(: <C E' C(: :B'C B'<(' AC' 9(' (< ' (;:' W#(;' 56 E' (;C(' ?9 <(< :' <6 (69" (<9 ' A: :' :@:< :B' (9' (C>:' 6?' (9 CF:' !9 ' * 000' <(< ;'C B' C(< :'(99? ' * 000' !9 9A: ' & T00' ;9 : ' %#0' ?9 <: ' C B' 5 *#0' D6: ' ;< '!9 @:'AC' 6= :V :6(E' C F:E' < @ :C :B Z !9 '< (C @:' (;:' 6D=: ' 9!' D6 : ' A: :' C< :B' < ' C' !: A' BCE ' (9' , 000' ' (;:' (;' 56 E' <U' BCE ' C!(: ' :@:< < F' (;:' !< (' <6(<(?C(<9 ' (;C(' C' !9 @:' A96 B' =:' B: ?C(@;:B' C B' !96 ' BCE ' C!(: ' (;:' !< (' (C(:D: ' :V6< :B' ' &T' C< [C= :' 9(;: ' @9D< F' < Y' 2 :' (;: ' @9 <B: :B' (;C(' (;:' A;9 :' :U?:B<(<9 ' @96 B' =:' B: ?C(@;:B' M'A<(;< ' C' !9 (?<F;('9!' :@:< < F' 9 B: '(9'(C>:'6?'(9 CF: Y' 6('(;:' C (: C(<9 ' C B' C6FD: (C(<9 ' 9!'(;:'!9 @:'6? :('(;< '9C @6 C(<96' ;:' (C>< F' C B' !<((< F'6?'9!' C' D6@;' C F: ' 6D=: ' ! (:CD: ' AC ' : B: :B' :V6< <(:' C B' (;:'

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(<D :' :V6< :B' (9' : D=C >' (=:' :U?:B<(<9 ' AC ' :@: C < E' :U(: B:B ' %; :' :U?:B<(<9 ' ';C < F' (9' (C (' B6 < F' (; :' ' K ' 1 9 99 ' 9' C< < F' : : ' @9 B' =:' 6 :B ' C B' C (9F:(; : ',G' (:CD : ' A : :' (C>: ' ?' F< < F' C' (9(C ' (9 CF:' 9!' &&, #PT' (9 ' (; :' 9 : CF:' C(:' 9!' ;< :' ?: 'F 9 '(9 '?: ' D 9 (;' =:< F' C=96(' 'W&' ;:' !< (' : :' :!(' 9D=CE' 9 ' (; :' #(;' 6F6 (' B' (; :' C (' 9 ' (; :' P(;' :?(:D=: ' 2< ' U@: : @E' (; :' 39 : 9 ' 99 F C(C(:B' (; :' 9DDC B: '< ' ;<:!' M < ' : ?:@(' (9' C ' 9 @: ' : FCF:B' < ' (; :' B: ?C(@;' 9!' (; :' :U?:B<(<9 C E' !9 @:' (9' FE?(Y' C B' :V6: (:B' (; C(' (; :' (; C > ' 9!' 39 : D: (' D<F; (' =:' @9DD6 <@C(:B' (9' (=:' <FCB<: 3 : :(!(' 9DDC B< F' 9D=CE' < (<@(' C B' (; :' < (<@(' (C!!' !9 ' (; :' :U[@: : (' C C F:D: (' DCB:' =E' (; :D' !9 ' (; :' :D=C >C(<9 ' 9!' (=:' !9 @:

1 '196 ((6C (' ?;< (9 :'AC 'C??9< (:B'39 :D9 9!' 9D=CE'9 ' (; :'& ('9!' 9 :D=: '&O&P' C B! 9D'(; C(' K : (: '(9. mn.HHHHHH' BC(:' (; :' @<(E' DCE=:' :FC B:B' C ' (; : @C?<(C ' 9!' C' C (' C B' :C E' <D?: <C ' B9DC< ' < ' A ; <@;' (; :' ; <F; : (' CBD< < (C(< :'F: <6 ' AC ' :V6< :B' (9' :?C< '(; :' BCDCF: '@C6 :B' =E' @: (6 <: '9!' B: 6 (9 E' AC !C : ' N9 ' (6 C(: E' !9 ' 9D=CE ' ;:' !96 B'C'F99B' DC '< ' 1 ' ?;< (9 : ' ;< ' (C(: DC ' ?6(' ;< ' A ; 9 :' D< B' (9' <D? 9 < F' (; :' @9 B<(<9 '9!' (; :' @96 (E' =E' @ :C(< F' :A' !C@< <(<: '!9 '(CB: ' DC><' F' (; :' C B' (CU ' (; :' @; <:!' 96 @:' 9!' : : 6 : ' D9B: C(:' C B' 6 <!9 D ' C B' :B6@C(< F' (; :' ?:9? : ' K <(< F' C(' 9D=CE' < ' &OW#' < ; 9?' 2 :=: ' CE "Z M' '(; <' <B:' 9!' B<C' (; : :' < ' :C E' D 9 :' Q:C ' < ; 9?2 :; : '9 ' 1 '196 (" C B' <=: C <(E' B< ? CE': B' < '(; :' <D? 9 :' @96 (E' (; :' @9 (6@(<9 '9!' 9CB ' C B' ?6= <@' =6< B< F ' (; :' @9 " @< <C(<9 ' 9!' (; :' C(< : 'C B' (; :< ' :B6@C(<9 ' (; C ' ' ; C :' E : (' : : ' < ' : FC)' B' CFC< "Z M 2 < ' ?9 <@E ' 9' !C 'C ' B<C' < ' @9 @: :B ' C??:C :B' (9' D :' ?:@6 <C E' A< :' C B' <=: C C B' ; :' < ' : <B: (E' C((C@; ' :B' (9' C B' (; < > ' A : '9!' (; :' @96 (E' C B' <('< ; C=<(C (' 2 < ' ?6= <I ' D:C 6 : ' < ' (; :< ' F: : C '(: B: @E ' : < @: ' C' (:CBE' A< ; '(9' <D? 9 :' (; :< ' ? : : (' @9 B<(<9 ' 9' 39 : D: (' < ' B<C' ?CE ' 9' D @; ' C((: (<9 ' (9' @; 99 ' C B' ?6= <@' < (<(6(<9 ' !9 ' :B6@C(<9 ' ' 9 :' C :' (; :' (CU: ' <F; (: ' C B' < ' (; :' CBD< < (C(<9 '9!' 6 (<@:' (9' (; :' C(< : ' < ' (; :< ' 9A ' C F6CF: ' < ' (; :' : (C= < ; D : (' 9!' ? @; CE:(' < ' (; :' B:F :' < ' A ; <@;' ; :' : D ? 9E ' (; :' C(< : ' < ' 9!!<@<C ' <(C(<9 ' C B' (; :' @96 (: C @:' C B' !CD< <C <(E' ; :' :U(: B ' (9' C ' (=:' C(< : '9!' C >' A ; 9' C?? 9C@;' ;<D ' ; :' :D ' (9' ;C :' :B6@:B' (9' ? C@(<@:' C D9 (' C ' (; :' :!9 D ' A ; <@;' ; CB

(6@>' D :' C ' D9 (' :V6< :B' < ' (; :' E (: D' 9!' F9 : D : (' ? $'
: :<B' < ' (>9 :' ? 9 ; @: ' 9!' ' : D ?< :' A ; <@>' & ; CB
? : <96 E' < <(: B Ÿ' 9' ; 9A' (; :' DC @;' 9!' <D? 9 : D : (' C '
:FC B '(; :' 9?: < F'9!' @9D D 6 <@C(<9 ' = :(A : : ' 9D=CE' C B' (; :'
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< '(C : < F'! 9D' 9D=CE' (9' 99 C ' \ ?' (9' A<(; < ' (; :' C (' (; < (E
' (; : :' E : C ' (; :' (C (< F ?9< (' !9 ' (; :'
96 :E' (9' 99 C' AC ' C A : '9 '
' M ' (; :'9?? 9 <(:' <B :' 9!' 9D=CE' ; C =96
C=96('!96 ';96)' C<'! 9D' 9D=CE ' 'F C @:'C('(; :' DC?'9!' B<C' A< '
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3 ; C6(' (; :' ? < @<?C ' ?C ' =E' A ; <@; ' (C : : ' C @: B' (; :'
A : . : D' E ; CB : :' C F :' 9!' D96 (C< ' A ; <@; ' C(' C' B< (C @:'
9!' *0' (9' TO' D< : ' ! 9D' (; :' @9C (' !9 D' C' F :C('AC ' 6??9 (< F'
C(' C' ; :<F ; (' 9!' W OOO' !: : (' (; :' (C= : ' C B' 9 ! ' (; :' :@@C ' C B'
B< <B< F'<('! 9D' (; :' S9 >C ' 9 ' 9A' @96 (E ' N 9D' \ A : ' (9'
3CD?99 : :' C(' (; :' !99(' 9!' (; :' 3 ; C6(' < ' 9 E' *0' D< : ' A ; < : ' =E'
(; :' @< @6<(96 ' 96(:' (; :' C< ACE' (C>: ' (; 96F ; ' C ((:' C6B'
?C (' C <C ' (; :' B< (C @:' ! 9D' 9D=CE' < ' D9 :' (; C ' TO' D< : '
< ; 9?' 2 : =: ' !96 B' (; :' < : ' 9!' C6A : ' D6@; ' @; 9> : B' A<(; '
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?<: ' =: E9 B' A ; <@; ' A :' !96 B' C' DC ' <Q : B' @96 (E' (9A ' A<(; '
C' ?CF9BC ' C' ; C B 9D :' (9D=' 9!' C' !6 DC ' C< (' C B' C'
? : ((E' V6<: (' <: A' 9!' 6 96 B< F' ; < ' C B' A99B Ÿ' ; : :'
A : :' (A9' (C : ' 9 :' > : ?(' =E' C' 9 (6F6 : :' (; :' (; : ' =E' C'
C : : ' ; :' C((: ' : : B' 6?' C(' ; 9 (' 9(<@: ' C' B< : ' M ' C(' :C (' C '
A : ' F9(' 6? ' C '@ : C E ' C B' C ' F99B ' C '@96 B' ; C : '= : : ' : U?: @(: B' C('
C' @96 (E' < ' F C B Ÿ' ; :' < ; 9?' AC ' @C <: B' < ' C' ?C C V6< '
(A : :' D< : '(9' ; 9A > : : ' A ; : @: ' M ' C!(: ' 9D : ' B : CE' C B' B<! @6 (E' <'
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A : ('9 '(9' 3CD?99 : : ' M ' C' ? : ((E' < CF : ' A<(; ' C'!< :'(C >' C B' (: D? :'
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J C : : Ÿ' ('AC ' C' !96 ' ; 96)' (CF :' ! 9D' ; 9A > : :' (9' 3CD?99 : : '
M ' ; :' 9CB' C ' (; :' ACE' AC ' : U@: : ('Ÿ Z (; :' : 9 ' : C (' B6 <<.'
39BBC B) '@CD?C<F '< '(; < '?C ('9!' + ; :'@96 (E' ; C < F' = : : ' (C>: '(9'
; : C (Z M' DCB :' C(' C' F :C(' : U?: : ' D9 :' (; C ' 6!!<@<: (E' A<B: ' C B'
A : ' C< :B' C=9 :' (; :' 9A' ACD?E' : : '9!' (; :' S9 >C ' 9D' CD'
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AC > : B' 6?' (; :' ; 9 :' 3 ; C6(' ,o' \ < : '
(9' S ; C BC C' (; :' 9CB' (< '= 9CB' C B' F99B ' = ('< 'C @: (' : E' (: : ?'
9' D6@; ' 9 '< B : : B' (; C(' C' 9CB : B' @C <CF : '9 ' : : ' C' ?C C V6< ' A<(; '
C E=9BE' < '<('@C ' A<(; ' F :C(' B<!!<@6 (E' =: '!9 @: B' C 9 F'<(' ' !C@('
: : E' 9 :' AC > '9 ' <B : '6?' (; :' ; < 'C B' C< ' D : @; C B<Q : '< '@9 :E : B

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thence to our newly acquired possessions in Burma, which were annexed by Lord Dufferin in January 1886. The Bhore and Thull Ghaut inclines, both splendid specimens of engineering skill, were opened, the former in 1863, and the latter in 1865; through communication with Calcutta was established in 1870, and with Madras in 1871. The Nagpore section of the north-eastern line, which brings the Central Provinces into close connection with Bombay, was opened in sections from 1863 and completed to Nagpore on 20th February 1867, and the Hyderabad (Deccan) branch, on the south-eastern line, in October 1874. The usefulness of a branch from Khundwa to Indore is unfortunately impaired by the adoption for it of the narrow or metre gauge instead of the standard broad gauge (5 feet 6 inches) of the main line. Altogether, the Great Indian Peninsula Railway has now 1,450 miles of line open. Communications in Guzerat used to be worse than in the Konkan and Deccan, for there were no made roads at all in that province. This did not so much matter in the fair season, when the whole country, which is level and free from stones, and in which the rivers are easily fordable, except during the rains, might be regarded as one road, and when, besides, the communication by sea was open; but for three or four months every year the inhabitants of Guzerat were denied all means of access to Bombay, and many a luckless European in Kattywar or at Ahmedabad or Baroda has died of sickness that might have been easily cured if he had been able, in the rainy season, to get away to another climate. The Bombay and Baroda Railway has changed all that. The first section of this line, from Amrolee to Unclesur, was opened in 1860; the section from Broach to Baroda in 1861; the section thence to Ahmedabad in 1863; and in 1864 the line, which the Company had been forced by the Government to begin work upon at a distance from its base of operations, was completed southwards as far as Bombay. The line now extends beyond Ahmedabad to Wudwan. From Ahmedabad going north-east, a metre gauge line has been carried on to Ajmere, 299½ miles, there connecting with the lines on the same gauge from Delhi and Agra, and giving direct railway communication between Bombay and the North-West. This line was opened as far as Pahlunpore in November 1879, and through to Ajmere in December 1880. Two lines to Scinde, one from Patree, on the B. B. and C. I. Railway, and another from Pahlunpore, on the Rajputana-Malwa Railway, are under survey. For purposes of administration such a line would be of much value to Government, and in time to come it may form part of a real overland route to

The Bombay, Baroda and Central India Railway.

England. The Bombay and Baroda line has probably had as serious difficulties of construction to contend against as the G. I. P. Railway, for it crosses many broad rivers on costly bridges. It has, too, the disadvantage of running parallel to and within a short distance of the sea coast, so that it is exposed to the competition of cheap sea-carriage. But, on the other hand, it runs for at least half its distance through the cotton country of Guzerat, containing the most fertile and thickly populated districts in Western India; and it enjoys, therefore, a profitable local traffic. Another important line of railway communication was opened for traffic in December 1880, the Bhownuggur-Gondal Railway in Kattiawar. It runs from Bhownuggur north to Wudwan, a distance of 104 miles, and is built on the metre gauge; at Wudwan it connects with the B. B. and C. I. Railway. A branch line runs west from Dhola to Dhoraji, a distance of 89 miles. And this has been extended to the rising ports of Porbandar and Veraval. These lines were built at the joint expense of the Bhownuggur, Gondal, Junagadh and Porebunder States, and are under the management of a Committee appointed by them. At Bhownuggur the rails are laid along the bunder, where ships drawing over 20 feet can lie in safety. All classes of the natives, however, appreciate justly the great boon of railway travelling, and the dismal prophecies of men who foretold that no native of good caste would ever defile himself by entering a railway carriage have been agreeably refuted by experience. A very useful line recently opened is the one connecting the town of Godhra, in the Panch Mahals, with the town of Rutlam, the capital of the native state of that name in Central India. The line is 115 miles in length, and affects at Rutlam, a junction with the Rajputana-Malwa State Railway, leading to Ajmere, Oojain, Indore and Khundwa. Further extensions through the districts of Jhaiapatan, Kotah and Kerowli are proposed, and line from Jeypore to the Chumbal having already been reported on. A line has been opened from Itarsi to Bhopal, Jhansi, Gwalior and Agra, and another from Jhansi to Manickpore on the East Indian Railway. The new Railway system, called the Southern Mahratta Railway Company, has, reckoning the Mysore State Railway as a part of it, a total of 1,060 miles of line. The first soil of the West Deccan section of this system was turned by Sir James Fergusson, Governor of Bombay, on the 13th February 1884. This line runs from Poona to Belgaum about 250 miles. It has been connected with the South Deccan section at Londa and from thence with the coast at Marmagoa by the West of India Portuguese Railway. Of the third main section of the S. M. Railway system, the first division of the line from Poona to Koregaon, covers a distance of 83

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K CF; 9D' :!(' 96B9 '(9' :U? 9 :'(; :'9 : C B' 96(:' 9 ' @(' WO' &OWP' 2 :' (C : :B' =E' ACE' 9!' <: (:'(9' :UC B <C 'C B' (; : @:' =E' 9 :<'C B'5:BBC; ' (9' 9D=?E' DC>< F'(; :' 9ECF:'< '&T' BCE

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' 6:Q' C C '< ' 9 :D=: '&OTP ' A:' ;C :' 9(' 9 E' (;:' 'C B' ' (:CD: '
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;:' 9D?CF <:' B: ' 1: CF: <: ' 1C <(<D: ' 9A' 6 ' !< (' @C '
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D: (' ;:' CE ' AC ' (;: ' Y' 9 ' C' DC : ' @C :' (;C ' C(' ? :[: (Y Z ;< ' =99>' AC ' 9(' !< < ;: B' (< ' &O&W Z M' : ?:@<C E' < ' (;:' D< <(C E' C B' : : 6:' B:?C (D: (' (;:' C((: ' AC ' C ACE ' < CB:V6C(:' (9' (;:' :U?: : Y' 2 :' (99 ' ?:C> ' 9!' (;:' @ <DC(:' C ' ;:C (;E' C B' ? :C C (' M' ;:' F < ;' ;96 : ' C(' 9D=CE ' (;:6F;' :<(;: ' 9' C F:' 9 ' 9' : :FC (' C ' (;9 :' C(' C @6((C' : B' 1CB C ' A: :' @9D!9 (C= :' C B' A: ' !6 < ;:B' ' (;:E' A: :' =6< (' < ' (;:' 6 9?:C ' (E :' 9!' C @;<(:@(6 :' C ' D6@;' C ' (;:' @ <DC(:' A96 B' CBD<(' 9!' =6(' 5: (' 9D:(;< F' 9!' (;C(' C??:C C @:' =E' (;:' CBB<(<9 ' 9!' : C BC ' 9 ' @9 : :B' ?<CQQC ' (9' ;CB:' (;9 :' C?C (D: (' D9 (' :U?9 :B' (9' (;:' 6 ' IK;: ' < 6D< C(:B' C B' !< :B' A<(;' 9@<C ' ?C (<: ' < ' (;:' : : < F ' (;: :' : C BC ' FC :' (;:' (9A ' C' : E' @;: : !6 ' C??:C C @:'' =6(' < @:' ' :!(' B<C ' (;:' (9A ' ;96 : ' ;C :' =: : ' C D9 (' B: : (:B' =E' (;:' F < ;:' A;9' : <B:' : (< : E' C(' (;:< ' @96 (' E' < C ' ' (;:' F: (:D: ' 9 E' F9' (9' (;:' !9 (' < ' (;:' D9 < F' (9' (C C@(' (;:< ' =6 < : ' ' B: 9(< F' (;:' : : < F' (9' B9D: (<@' ? :C 6 :' C B' @9 < <C ' D: :(< F ' C(' (;:< ' FC B: ';96 : ' ;:' C F:' =CQCC ' 9 ' (;:' (: :(' < ' (;:' = C@>' (9A ' A<(;< ' (;:' !9 (: ' @9 (C< :B' DC E' F99B' <C(<@' ;96 : ' C B' ;9? ' (9 :B' A<(;' D: @;C B<Q:' ! 9D' C ' ?C (' 9!' (;:' A9 B' !9 ' (;:' 6 9?:C ' C B' C(< : ' ' ;: :' ;9? ' A: :' F: : C E' >:?(' =E' (;:' B<C ' : ?:@<C E' (;:' C : : ' A;9 ' C!(: ' ?CE< F' (;:' : (C= < ;:B' <D?9 (' @6 (9D ' A: :' :U:D?(:B' ! 9D' 9(;: ' B6(<: Y' ' !C ' C ' (;:' @ <DC(:' ?: D<(' (;:' F < ;' !C ;<9 ' < ' =96 : ' :V6<?CF:

C B' B : ' < ' F: : C E' CB9?(:B ' : E' !:A' CB<: ' 9 ' F: (:[D: ' >:?(' 6 9?:C ' : C (' (;:' !9 D: ' A: :' =:((: ' : :B' =E' E96 F' !:DC :' 1C C=C ' (C< :B' =E' (;:D : : ' C B' =E' :F ' 9 ' 1C C=C ' =9E ' A;9' A: :' 96 ' !C 96 <(:' ?: 9 C ' C((: BC (' A;< :' (;:' 6??: ' : C (' A: :' 6 6C E' 1C=9D:BC ' C B' C :: ' '@ : > ' C B' A <(: ' A: :' D9 (E' 2< B99 ' A;9 ' ! 9D' =:< F' <C= :' (9' 9' DC E' (: <F<:6 ' C B' @: :D9 <C ' ?9 6(<9 ' A: :' : B9D' B9D: (<@' : C (Y' (' (;:' ? : : ('BCE';C B E' C E' 6 9?:C ' ;C :' C :: ' C ' B9D: (<@' : C ('C B' 9(' DC E' 1C=9D:BC ' ' (;: :' =:< F' 9' B<!!<@6 (E' 9A' < ' 9=(C< < F' (;:' : <@: ' 9!' 2< B99 ' +D9 (E' 99 (:: R' !9 ' C D9 (' C E' >< B' 9!' ;96 :' A9 >' (' < ' @6 <96 ' (;C(' 9 =: ' DC>: ' 9' D: (<9 ' 9!' (;:' :D? 9ED: (' 9A' 9' @9D[D9 ' 9!' B9'N9 (6F : :' C ' =6(: ' C B' @99> ' ' ?:C>< F' 9!' (;:' ;C=<(' C B' DC : ' 9!' (;:' F < ;' < ;C=<(C (' N9 =: ' CE ' "Z Y' K ;: ' ' C < :B' (;: :' D9 (' (;< F ' A: :' 9 ' C' ? :C C (' D:B<6D' =:(A:: ' (;:' : < ' 9!' N E:)' ?: <9B' C B' (;:' ? :[: (' :!< :B' C B' 6U6 <96 ' D9B:' 9!' < < F ' @9D!9 (' ;9 [?<(C <(E' C B' 6 =C <(E' (;: ' @;C C@(: <Q:B' (;:' :((:D: (Y' ;: :' < ' C' 9(:' 9!' :F :(' (6@>' ;: :' ' C B' : :A;: :' ;:' V69(: ' A<(;' : <B: ('C?? 9=C(<9 ' C :((: ' BC(:B' &%O, ' ! 9D' C' M' : E -' ' ' -' ' B<C:: < F' ! <: B' Y' < ' (;< ' @<(E ' A ;9 ;C F:9! C6 : D 9D=CE

(;: ' C(' 9C@;R' "Z M' ' > 9A' E96 ' ?C (<C <(E' !9 ' 9D=CE ' =6(' < ' D E' 9?< <9< ' <(' < ' 9' 9 F: ' (;:' CD:' ? C@: ' ' C 9A' (;C(' (;:' <((:' : <B: @E' ;C ' =:@9D :' : E' FCE' C B' < : E ' C B' ' ;C :' ?C :B' C' !: A' A::> ' ;: :' A<(;' D6@;' C(< !C@(<9 ' =6(' C(' C ' (;:' ? :C 6 : ' C B' : (: (C< D: (' ' @96 B' 9(' ? : : ('(;:' (;96F;(' ! 9D' 9=(6B< F' <(: !' (;C(' (;:' ;<F;' ?9 < ;' ;CB' B:=C :B' (;:' DC(: <C ' C B' E9 ' (99' ? C< E' :' C ' (;:' D9 :' C 6C= :' (<: ' 9!' ! <: B ;<?' C B' C!!:@(<9 ' C@ <!<@:B' (9' C ' 9 (: (C(<9 ' C <(E' A';<9;' CA>AC B E' : B:C 96 ' (9' C 6D:' (;:< ' :D= C @: Y' ' :(6 < F' (9' 9D=CE' (;:' CD:' E:C ' 1(' N9 =: ' M' 9= : :B' C' F :C(' C <C(<9 ' < ' (;:' 9@<:(E' C B' DC : ' C(' 9D=CE ' @9 (C (' !<69(6C(<9 ' =E' (;:' :D9 C' 9!' (;:' @< < ' C B' D< <(C E' : C (' ! 9D' 9 :' :((:D: ('(9' C 9(;: ' (;:' < ! 6U' 9!' (C F: ' < 'C' C F:' :C?9 (' (9A ' A<(;' :(;: ' 9@C

9< 96DC(C 9: 'C ACE '9@@C <9 :B' 9D :'@;C F:'< ' 9@<:(E '=6('A ; : (; : ' ! 9D' C ' :U(: <9 ' 9!' (; :' D<<(C E' : (C= < ; D : (' C'@9 <B: C= :' < @ :C :'< '(; :'!: DC :'@< @ :'! 9D' 6 9?: '9 ' ! 9D' A ; C(' 9(; : '@C9 :' & > 9A' 9('(; : :' AC ' C' DC(: <C' C (: C(<9 '< '(; :' F< ;' 9 ; C C?(: ' 9!' (; :' : <B: @E ' (<V6:((: ' 9 (: (C(<9 ' C B' !9 DC <(E' ;CB' (99' F: : C E' 6?? C (:B' (; :' 6 =C <(E ' ! <: B ;<?' C B' @9 < <C <(E' 9' B: <F; (!6 '< '!9 D : ' (<D: Ÿ' 1 ' N9 =: ' : <B: (E' D96 :B' 9E: ' (; :' D : E' D :?(< F 'C B' (; :'! <: B '9!' ;< ' E96(; ' K ; C(' A96 B' ; ?' ; C :' C<B' ; CB' ; :' < :B' (9' A<(: ' (; :' (C(: E' (<!! : '9!' 9@<C ' DC : '< ' D9B: ' 9D=CE ' A ; : :' ;9 ?<(C <(E' < ' C ' :U(< @(' < (6 :' ' ; :' F 9' B<C ' ; : :' ; C :' =:@9D :'< ' B : 'C B' 9 :'9!' !?(DC <(E' D9 :' F < ;' (; C '(; :' F < ;' (; : D : : ' ' : : ' (; :' A ; <(:' C@>:(' < ' A ; <@; ' D : '6 :B' (9' C<(' C(' :C :' C(' 9D=CE' B< : ' (C= : '6?' (9' C=96(' (A: (EH!< :'E:C 'CF9 '=:< F' 9A' <F<B E' =C < ; :B' ! 9D' 9@<:(E ' C B' (; :' 9F < ; ' B : '@9C(' 6= (<(6(:B' !9 ' <(' ; :' ? <@:'9!' ? 9 < <9 ' ; CB' :C E' B96= :B' < ' (: ' E:C ' 9A< F ' CE ' 1 ' N9 =: ' (9' (; :' @9 (C ('< @ :C :'9!' (; :' ?9?6 C(<9 'C B' ; :'@9D? C< '9!' (; :' =CB : ' 9!' (; :' (<D: '!9 '(; :'@< <' : C ('A ; 9' A: :' 9A' (9' : E (; :'@; C @: '< ' AC '9!' (; :' D< <(C E

< ; 9?' 2 :=: ' CE ' <((:' C=96(' (; :' D9B:'9!' <!:'< ' 9D=CE ' (; 96F ; ' ; < ' B: <F; (!6 I' C C(< :Ÿ' 99!!(C< ' A ; C(' < ' : : ' 9A ' (; :' =: : (' C@@96 (' :U(C (' 9!' (; :' (9A ' C B' (; :' ? C@: ' 9!' < (: : (' < '<(' :<F; =96 ; 99B ' K :' ; C ' B CA' C F: E' 6?9 ' <(' < ' (; :'@; C?(: ' A ; <@; ' A :' ; C :' ?:@<C E' B: 9(:B' (9' C' B: @ <?(<9 ' 9!' :A' 9D=CE' Z C B' (9' A ; <@; ' C 9' =: 9 F ' (; :' ; < (9 E' 9!' (; :' <D? 9 :[D: (' DCB:' < ' 9D=CE' B6 < F' (; :' C (' (: ' 9 ' (A: :'E:C ' N 9D' (; :' @ 9 :' 9!' >! ' ?; < C(9 :) ' CBD< < (C(<9 ' +&OW%R' (9' (; :' @9DD: @:D: ('9!' < ' C((:' N : :) ' +&OTWR ' (; : :' < ' <((:' (9' =:' C<B' @9 @: < F' 9D=CE' =:EV B' K ; C(' ; C '=:: 'C :CBE' :@9 B:B ' < ' 59; ' 1C @9 D 'C=96('A ; 9 :' 6 :' (; : :'C :' 9D:' V6:: ' (CB<(<9 ' @6 : ('AC ' 9 6D< 96 ' A <(: 'C B' D6 (' A :' ; 96 B' (; < > ; C :' :!(' 9D:'< (: : (< F' ? < C(:' @9 : ?9 B: @:' (; 9A< F' <F; (' 9 '(; :' 9@<:(E' C B' DC : '9!' (; :' ? C@:' ' =6('<(' < ' =: :C(; ' (; :' B<F <(E' 9!' ; <'=<9F C?; : ' 1 ' SCE: '(9' 9(<@:' 6@; ' (<! : ' C B' C ' A :'@C ' F :C ' ! 9D' ; <' =99>'< ' (; C(' < ' 59; ' ?C :B' D9 (' 9!' ; <' (<D :' <

‹V‹ < ‹F A<(;'(;:' 6BF: .' (;96F;' ;:' B‹B' (A9' F99B' (;< F Z ;:' DCB:'(;: ;9 :' 3;C6(' 9CB'C B'‹ : (:B' 1C;C= : ;A6 H

' ;:'!:6B'=:(A:: '(;:' 9D?C E) ' : C ('C B'(;:' .:? : : (C(‹ : ' 9!' F[‹ ;' CA' ‹ ' 9D=CE' AC ' 9!' C @‹: (' (C B‹ F ' ;:' 96 (‹ !!' ‹ :@(9 ' ‹ ' & %O'%& C @(‹9 :B'(;:' ‹ (9B6@(‹9 '=E' 39 : 9 ' 6 F‹: '9!' (‹C!'=E' 6 E' ‹ (9' (;:' @96‹(('9!' 6 (‹@:' C . ::C= E' (9' F ‹ ;' CA' =6(' M'B:@ ‹ :B' : FCF‹ F'C' 6BF:' : :B'‹ '@‹ ‹' CA'=:‹ F' C?? :;: ‹ :'(;C(6@;'C ?: 9 1 ‹F;(=:' B‹ ?9 :B' (9' ? 9D9(:' ‹(‹FC(‹9 'C B'? 9=C= E' D‹F;'(9('9=:E'(;:' 9 B: ' A;‹@:'(;:' :[‹B: ('C B' 96 @‹' D‹F;'(!‹ B' ‹(' !9 ' (;:‹ (: : ('9!' (;:' @96 ('(9' F‹ ':' ;‹D)H ' &T%#'%T +N:='OR'(;:' :‹B: ('‹ '+9 @‹'C(' 6 C('A ‹(‹ F'(9'(;:'39 ; 9 '9!' 9D=CE'C B';‹ '@9 :CF6: '+(;: ' 6=9 B‹ C(:' (9' (;:' 9D?C E) ' 6 C(: ((:' ;:6(R' B‹ :@(:B' (;C(' (;:' C :F:B' 6‹@‹B:'9!' (;9'?6 : '9!' (;:' ;‹?' 1 CE=99D' ;96 B'=:' :!: :B'!9 '‹ : (‹FC(‹9 '(9' M (;:'@96 ('9!' 56B‹@C(6 :' C(' 9D=CE'C@[@9 B‹ F'(9' CA Y'C B'(;C((;:' CD:'@96 :' ;96 B'=:' CB9?(:B'‹ ' C ' ‹D‹C 9C : 'CBB‹ F';9A: : '(;C('M'C 'R ' B: ‹ :'(;C(' 6 (‹@:' DCE'=:' B9 :' 9' A j' K 96 B';C :'E96'(C>:'@C :'(;C(:UC(‹96 ' 6‹(' C B' @9 (‹ C @:' ='E' @9D D 9 ' =C ‹ (:' (9' B‹ (= ':'(;:'V6‹:(' 9!' F99B' ?:9? :' DCE' =:' B‹ @96 CF:B' C B' ? :[: (:B C B' :('(;:' 6BF:'> 9A'! 9D'6 '(;C('A :'U?:@(';:' DC‹ (C‹; '(;:'F C ‹(E' ‹ (;F ‹(E'C B'C6(;9 ‹(E'9!';‹ '9!!‹@;' C B'(;C(';:'B9(;' 9(' = ‹ F' C'B‹ :?6(:' 9 ' (;:'@96 ('9!' 9D=CE' =E' ‹F;(: ' ?C (‹C ‹(E' : !' :>‹ F' 9 ' @96 (: C @‹ F @9D D9 '=C ‹ (: '‹ 'A ;‹@;' 9 ('9!' : D‹ '(;:E' CE' 9D=CE‹' : E'6 ;C??E . ('‹' ‹F;'('(9'D: '(‹9 '(;C(‹('‹ 'D9 :'(;C 'B96=(!6 '(;C(' C E'9!';:' :FC'? C@(‹[(‹9 : 'A;9'A :'‹ ' 9D=CE'C(';C('(‹D:';CB' =:: ' CBD‹((:B' C '=C ‹ (: ' =E' (;:' '9!' 96 ('‹ '(;:' ‹(‹ ;' C B ' &T%#' C' ?: 9 ' A ;9D' (;:' ' ;‹<?' B: 9 'B: @ ‹=: 'C 'M'C'?9D?96 'C((9 :E Y'AC '‹@9 B‹ F'(9' N E : 9 B: ;B'(9'‹D?:C@;Y' C?(C‹ ' ;CU(9 '=:!9 :'M'C' : :@('@96 ('9!' 6B‹@C(6 :'!9 ' C=:((‹ F' D6(‹ 96 '@9 B6@('9!' ;‹' 9 B‹: Y' C B' C9@9)B‹ F E ' M' A‹(;' 9D :' =9 9A:B' ;:(9 @>': B:C 9D:B'(9'DC>:';‹D'C??:C 'C' :@9 B' C(‹‹ :Y' ('‹ ' 9(' <>: E'(;C('(;‹' (C(:'? 9 :@6(‹9 'A96 B' ;C :'=:: ' (6 :B'(9'C ' C((9 :E' <!'(;: ' ;:CB'=:: '(;: ' C'B6 E' C@@ :B‹(:B' =C ‹ (: '‹ ' 9D=CE' ' (' 59; ' AC '‹ 'A9B'D:' ‹(9' 9D=CE' A‹(;' C' @9D D‹ ‹9 '! 9D'(;:'>‹ F' C ' 6BF:'‹ ' BD‹ C (E.' ' (C D‹((‹ F'C' @9?E'9!'‹('(9'(;:' 9D=CE'39 : D: ('(;:' 96 ('9!' ‹ :@('B‹ :@(:B'(;C('(;‹' C C E :96 B'=:' fW00'?: C 6D'C B'(;C('(;: ;96 B'M' ;C :'(;:'C@@9D D9BC(‹9 '9!';‹C'9A 'B‹.'C('(;:' 39 : 9)' (C= :'Y' C B' :96 B'(C>:'‹ :'?C@:'(;: :'M'C' :@9 B Y'=6('(;:E CBB:B'(;C('M'C '9(;:' 6B‹[@(6 : 6?9 '96 ' C‹B‹ C B'C :'(9' :DC‹ ‹ '(;:‹ CD :@9 B‹(‹9 'C B'9 B: 'C '(;:E 9A'C :' C B'6 B: '(;:' DC CF:D: ('9!'(;:' CD:'?: 9 ' 6 (‹'E96' :@:‹ :96‹H !6 (;:'9 B: 'C!(: 'A:';C :'C 'C@@‹D('! 9D'E96'9!'(;:'F99B'B:?9 (D: ('9!'(;:' C‹B'B9@(9 Y' ('59; '@9D?C‹ :B'9!'(;‹'(9' ‹' :9‹ :'5: >‹ ' :@ :(C E' 9!' (C(:' ='6(' (;:' 9D?C E' :(9 (:B' 6?9 ' ;‹D' (;C(' :' ;CB' (C>: '?C ('A‹(;' 9D:' ‹ (: 9?: ' 9' ;:' : ' :D ('9' ;C :' ;CB' C E' 6 ‹ B‹@(‹9 ' :U@:?(' (;C(‹ ' BD‹ C (E' (;:'9(;:'@96 ('=:‹ F'!‹ :B'=E' : C (' 9!' (;:' 9D?C E' &T%P# ‹'59 ‹C;' ;‹B'39 : 9 '9!'(;:' 9 B9 ' 9D?C E' B‹ C?? 9 :B'9!' (;:' @96 :'(C>:' ='E' 1 ' C6U' ‹' CBD‹ ‹ (:‹ F' (;:' CA' 9 ' F C B' 9D=CE' C B' 9=:' :B‹H (;C(' (;:' F‹ ;' CA ' A: :' M C' :.C?' 9!' 9 :' :@9D?‹:B'=E' C'!:A'‹F 9 C ' @96 (E' F: (:D: Y' C B' (;C(' ;‹' 9 B: ' 9(' (;:' CA ' 9!' F C B' ;96 B'=:' (;:' 6 :' =E' A;‹@;' 1 ' C6U' 96F;('(9' C=‹<B:' ' &%WT C'@;C (:'AC 'F C (:B'@9 (‹(6(‹ F'C' DCE9)'@96 ('‹' 9D[=CE' @9 ‹ (‹ F' 9!' C' DCE9 ' C B' D: ' A‹(;' 6 ‹ B‹@(‹9 ' (9' (E' 6‹('C@@9 B‹ F'(9' F‹ ;' CA 'C B'(;‹'@;C (:'AC ' :A:B'‹ ' &%#*'A‹(;' C' :C(‹9 ' ‹' 'IC 96' 9!' (;:' C(‹ :' 9!' (;:‹ '9A ' CA 'C B'@6 (9D ' ' &%PO C ‹CD:('(C=‹;:B'C(' 9D=CE'‹ '‹:6' 9!' (;:'DCE9)'@96 ('C'@96 ('@9 ‹(‹ F'9!'(;:'DCE9 'C B'(;:'C B: D: 'C B'C :@9 B: 'ff A;9 ;96 B'=:'C =C ‹ (:' 9!' F C B' :' C B Y' ;:'@: := C(:B' ‹'5CD: ' 1 C@>‹ (9 ;' A;9' @CD:'96('C' :@9 B: ' ‹ '&OO*'.:D '(9' ;C :' ;CB'C' : E':C E'(‹D:'9!'‹('!9 ' ;:' 5 :B' A‹(;' (;:' 39 : 9 ' C(' NC : ' C B' 9 E'' A: (' B9A ' (9' (;:' N9 (

; ' D9 (' <D?9 (C (' @ ; C F:' 9!' (; :' C (' !<!(E' E:CHO' ; C ' =:: ' (; :'F :C(' < @ :C :'< ' (; :' 6D=: '9!'(; :'< B:?: B: (' 6 9?:C '?9?6[C(<9 'C B'?@ :V6: (E ' < ' (; :'< ! 6: @:'9!'(; :' F < ; ' :A ?C?: ' ?6= < ; :B'C(' 9D=CE' ; :'D: @;C ('!: ('(; :D : ' (9 F': 96F;' (9' (C=< ; ' C' ; CD=: ' 9!' 9D D : @:' 9D=CE' ;C<!(=: ' 9!' 9D" <6'&O*T'A ;<@;' ; C ' < @:' (C>: ' C'@9 " D: @:'&O*T' <B: C= :' ;C :' < ' (; :' 19 DC(<9 ' 9! ?6= <@' 9?< <9 'C B' (; :' B< :@(<9 '9!' C!!C< ' ('C'!C :A: ' B< : ' F<E:C' ;<D' =E' (; :' E@6 C' 6=' < ' &O%P' (; :' C(:' 2 9 96 C= :' 5CD:P' 3<== ' C(:' D:D=: ' 9!'(; :' <@: :FC' 96 @<' C B'(; : ' C' :(< < F' D:D=: '9!' 96 @<'9!'(; :' 39 : 9 '9!' 9D=CE' =9 :' (: (<D9 E' C ' !9 9A '(9'(; :'F 9A(; '9!'?6= <@'9?< <9 '< ' 9D=CE'B6 < F'(; :'?: <9B' 9!' *W'E:C '9 : 'A ; <@; ' ; < '?: 9 C' :D< < @: @: ' :U(: B:B'"Z '

3: (:D: '< '(;9 :'BCE' (; :' 6? :D:' 96 (' A ;<B<' < '9A' :? : : (:B' =E' (; :' B< C E' < <' 56 < B<@(<9 ' 9!' 2 : ' 1C : (E) ' 2<F;' 96 ('< (:CB' 9!' :V6< < F' (; : :' 56BF: ' (9' <(' ! 9D' && (< '#' (9' < (: ' (9' (; :' C F6D: ' (' 9!' C ' B 9@C(;' : : C ' C B' *% =C < (: ' < (6@(:B =E' JF 9 <@<(9 ' DC CF:B' (9' >: :?' 6?' A<(; F :C(' B<! @6 (E'9 :' @96 (=:(A : : ' (; : ;96 '9!' &*' C B' * ' 9(' : E' BCE' < ' (; ; A : :>' (9' < (: ' (9' (; :' C F6D: ' (' 9!' C ' B 9@C(:' 3: : C ' C B' I' =C < (: ' (; ; A ;9 :'9!' A ;9D' ;CB' (9' =:'< (6@(:B' =E' F C((9 :E ' FC< '< '(;9 :'BCE 'F: (:[D: 'A :' ;CB' 9' 1 6 <@<?C' 9D D< <9 : ' (9' F9' (9' 6 (9 B' :U?: :' (9'= < F' 6' : ;C '9 ' 6 <'AC(: ' (9' B C< ' 96 ' (9A ' 9 ' <F; (96 ' (: :(; : ' AC ' C ' C @<: (' C B' ; : C= : ' =9BE' @C :B' (; :' ; @;' 9!' 56 (<@: ' A ;<@;' ' !< B' (9' ;C : @9 < (:B' 9!' ** ' 6 9?:C ' C B' W0' C(< : ' (9' A ;9D' AC ' ; (6 (:B' (; :' C <(C E' @9 B<(<9 '9!' 9D=CE' ; :' : 6 ('AC ' C ' ; :C B' ; :C <C< D C ' ; :' BCE ' A ; : ' '!< ('@CD:' 96(CE' A<(;' C' @9 <B: C= :' B:F :' 9!' C(< !C@(<9 ' M ' A :' ; CB' 9 E'%0B:C(; '! 9D'@;9 : C'E: (: BCE' C B' (; C('AC 'C' !C< 'C : CF:' !9 ' A :' ; CB' < :(E'C' !: A' BCE 'CF9 'C B' W0' 9 :' BCE' C ('A :> Y' ; C(' AC '(; :' C <(C E' (C(:' 9!' 9D=CE'< '(;9 :'BCE ' K<(;' :FC B'(9' (; :' D: @C (< :'@9D D6 <(E' 1 D'CE' CE' (; C(' (; :' C= :'(9' ! .B' C' :D C ('; : ' 9!' C' :?9 (' & ;C :' 9' B96=(' ;9A: ' ; (; C(. :E' (99> CD9 F'(; :D : ' CF:' @96 : 'C B'CB <@:' C=96('(; ' (CB:' A ;<@;' ;C '@C6 :B' (;C(' CB:'(9'? 9 ?: 'C B' 9D=CE'(9' =:@9D:' A ;C'(<' 9A'9 :'9!' (; ' !< ('<!' 9('(; :!< ('9!'(; :' D: @;C ('@<(<: ' 9!' B<C' K ;< :'9 ' (;< (9?<@' 'A96 B' D: (<9 ' (;C('< ' F9< F' (; 96F; ' C ' 9 B' @C : BC ' !96 B'C' (C= :' 9!' :U@;C F: ' C((; :' ; :CB'9!' A ;<@; ' (; :' 6?: ' AC ' (C(:B(9' =: 'A9 (; 'W 'WB' + C6F(; (: R'C B' @6 <96 ' : 96F; ' ' !96 B'(; :' @9D?< : ' 9!' (; :' (C= :' : : ' :U?: @(:B' :U@; C F: ' (9' F9' B9A ' =: 9A' 'OB' ' ;C : ' ;9A: : ' B6 < F' (; :' C (' > 9A ' (; :' :U@; C F: ' C=9 :'(; :'9 :' <D<('C B'=: 9A' (; :'9(; : ' ; :'=C > ' '(; < >' < ' (; 9 :BCE ' (; :

9 @:' 9 ' (A<@:' C' A : :>' (9' (C C@(' 6B<@<C ' =6 < : ' ' &OW*' (; :' 6? :D: 96<(' AC ' 6= (<(6(:B' !9 ' (; :' :@9 B:) ' @96 (' C B' (; :' 6 < B<@(<9 ' @ C<D :B' =E' (; :' ;<:!' 56 (<@:' 9 : ' <(< ; ' ` =@@(' =:E9 B' (; :' <D<('9!'(; :' ? : <B: @E'(9A '= 96F; (' ; <D'< (9'@9 ! <@(' A<(; ' < '59; ' 1C @9 D ' ; :'!: : < F'9!' C (CF9 < D' =:(A : : ' (; :' 9D?C E) ' :U:@<<(< : ' 9!!<@: ' C B'(; :' 6BF: '(9' 9D :' : U(: (' C (:B'(< '(; :' 6 : : '(99>'9 : '(; :'B<<):@(' F9 : :D : (' 9!' (; :' @96 (E'< '&O#0' C B'< '&OTW!9 D : B'(; : ' A:' 2 <F; ' 96 ('=E' C' 6 @(<9 '9!'(; :' =C < (:)' 6? :D:' 96 ('C'(; :' ? : <B: @E' (9A 'A<(; '(; :' ; <:!' 96 (' : (C=[< ; :B'=E' (; :' 9D?C E'!9 '(; :' (<C '9!' 6<('< ' ?C (' 9!' (; :' ?C (' 9!' (; :' ? : <B: @E' + : : '!9 ' C !6 ' ; < (9 E' 9!'(; :' @96 ('C B' (: 6 : '9!' 9D=CE' (; :' : C=9 C(:' C B' < (: : (< F' 6BFD: ('9!' < '1<@; C: ' K : (9?? ' 3 : '( ) :'+' 9 / ' 2 <F; ' 96 (' :?9 (' 9 ' ' C (' ' ' ' ' 4 ' '+') /' ? /' ' 88 /' 9 ' 9 . . C (5 < < B +!? 8 ' 9 ' C (< R

U@;C F:' C > ' (A9' (9' :<F ;(' C(' (; :'? : : (' (<D : ' 6(' :' 9!' (; :?9< (.' A ;<@;' ' (;< >" ?C (<@6 C E' A 9 (;' 9(<@:' : C(:B' (9' (; :' ?C=6 6 D' 9!' < [!9 DC(<9 ' A ;<@;' < ' (; 9 :' BCE ' A :' :@:< :B' C(96 ' = :C>!C (' (C= : ' ; : ' AC ' 9 :' BC< E' :A .$C?: ' 6??9 (:B' =E' (A9' =<'A : : > E' 9 : ' ; :' BC< E' ?C?: ' :UC(B:B' =E' B:F : : ' < ' <D:' C B' (96 = : ' '= :< : C ' 9 ' (;C(' (; ' 9 @ :' @(<9 ' 9!' (; :< !9 [@6 C ' < ' 9A' > 9A ' !CD< <C E' (9' C ' 9!' 6 ' C ' (; :' ( )2 #' S ' ; :, (A9' =<'A : : > E' ?C?: ' (; : ' @C ' (; :' 7 % ' C B' (; :' ( )2 #') # C!(: ' B< : 'C B' 6 B E' (C D6(C(<9 ' C B' (C D<F C(<9 ' A: : !< C E' !9 D :B'< (9' C 9(; : 'BC< E ?C?: 'C(' (; :' ? : : (' (<D :' (; :' A: ' > 9A ') ' ' ℓ 3 : (:" D :6 ' ;CB' C> 9A : L .' L ' (; :' < (: C' :@9 9DE' 9!' :<(; : '9!' 96 'BC< E ?C?: ' C(' (; :? : : (' (<D : '=6(' ; C :' 9D :<B :C' (; C(' (; . ' @9 (' :C@; '9!' (; :' C= :' :B<(9 ' C F :C(B :C '9!' (<D :'C B'(96= : ' '= :< : ' C 9 ' (; C(' (; ' @9 :@(<9 ' 9!' (; :< !9 [DC(<9 ' K ;<@; 'A :' :CB'BCE'=E'BCE'<?' (; :< ' @9 6D ' @9 (' C F :C(B :C '9!' D 9 :E '9 E'> 9A' (; C(' (; 9 :' . E ' (; :' :B<(9 ' 9!' (; ' 'S) ' 'S _ 'AC ' : E' D<B' : E : B: E'?: 9 'A ; 9' A: ' (C=96(' < 'C 8 # B : :B'< ' A ;<(:' FC D : (' @ 6B< F C' <9 (' C@>:(' ! 9D'9!!<@:' (9' 9!!<@:' (9' C@V6< :' C E'< !9 DC(<9 ' ; :'@96 B' < ' 9 B: '(9' (< ' (; :' :U(BCE)C< 6: 'C B' 'CD' 9 E' (9' CE' (; C(' : '9!(: 'F9(' 6@ ;' < !9 DC(<9 ' (; C(' ; :' 9(' 9 E' !< :B' (; :' :U(' BCE) ' ?C$: ' =6(' ; :=CB' 9 ' !9 [9A< F'BCE' F : : C E' (9' @9 (CB<@(' A ;C(' ;CB' C?? : C . ' (; :' BCE' = :!9 : ' 3 : (; [D : '(; : :'C :'C' ! :A' 9!' D E' :@9 ' :@(<9 ' 9!' *#' E :C 'CF9 ' '@96 B'F9' 9 ' D 6 (<[? E< F'(; :D'<6('A< ' 9(' ';C : ' ;9A : ' . (6 :B'(9'(C>:'6?' 9'D 6B<'9!'E96 ' (<D :'< ' : C(< F'(; :D'< ' 9 B : ' (; C(' E96' D CE' A<(; ' D :' ;C :'C 'C?? :@<C(<9 ' 9!' (; :' : 9 D96 ' (<B:' 9D=CE' ;C ' DCB:' B6 < F' (; C(' (<D : ' (;< >' 'DCE' C!: E' CE' (; C(' < ' 9@<(E< ' B<C' ;C '?6= <@' 9?< <9 ' 9' D6@;' !9 @ :'C6B' 9' D 6@;' C 6 :' C '<(' ;C ' < ' 9D=CE' 'CD' CAC :' (; C(' C' C(:' C= :' D :D = : '9!'(; :' C ' C<B' (; C(' ?6= <@9?< <9 '< ' 9(' (9' =:' !9<DB' < B<C' (' DCE' 9(' ;C :=: : ' !96 B'(9'C E F<' :C(:U(: ('< ;< 'BCE'?: ;C? ' '=6(<(;< >'C'(; :'? : : ('(<D :'<('A< '=:'CBD<((:B' ?E'C '(; C(' ?6= <@9?< <9 '< ' 9D=CE ;C 'C' : E'F :C(' :!!:@(' (; 'C'F :C(' :!!:@(' < '(6 '9 ' 39 :< D : ('C6B'9 '(; :'?:9? : ' C B' 'CD' V6<(:' 6 :'(; C(' (; :' :!!:@('9!' ?6= <@9?< <9 '< ' 9D=CE'<'@: (C<<\E'=:< .'!: ('< ' F C B

9(A<(; (C B< F' ; 9A : ' ' (; :< ' 6D=: ' '< (: <F: @: ' A :C (; ' C B' ?6= <@' ?< <(' 9D9!!<@<C ' F < ; D : '< ' 9 ' !!<@ Ca' 6 9?:C ' 9D=CE'C : ' (< 'C ' <F<B E'C B'<:(< 9 E' :U@ 6B:B'! 9D'(; :' : <@:'9!' (; :' (C(:'C ' (; :E' A : :'< ' (; :' : C'9!' (; :' 9D?C E) ' : ' ; :' 9 : C (:B' < < ' : <@: ' A ; <@; ' :@ 6<(:B' C 6C E' ! 9D' F C B' A<(;' @C B<BC(: ' : :@(:B' =E' 9D?:(<(< :' :UCD< C(<9 ' ; 9 B ' ?9 : <9 ' 9!' C ' F :C(' 9!!<@: ' 9!' :D 9 " D :6(' 9 '?9A : ' < ' C ' (: C@<96 E' :U@ 6 < :' C ' (; :' 9 B' C (' B<C' 9D?C E' AC ' ' !:A' C(< : ' C :' 9@@C <9 C E' CBD<((:B' < (9' <(' C > ' C B' C' 6= <@' : <@:' 9 <D< <9 ' AC ' C??9< (:B' =E' (; :' 39 : D : ('9!' B<C' (9' < V6< :' < (9' (; :' 9 : C (:B' < < ' : <@:' A<(;' C' <: A' (9' B: < < F' C' @; : D :' 9!' (; 9 96F ; E' 9?: < F ' (; :' : <@:' (9' (; :' C(< : ' C B' (9' B9' !6 ' 6 (<@:' (9' (; :< ' @ C<D ' (9' ;<F ; : ' C B' D 9 :' :U(: < :' : D ? 9ED : ('D' (; :' 6= <@' : <@:' ' =6(' 9' F < ; [DC ' 9(' =: 9 F< F' (9' (; :' ? < < : F :B' @ C ' 9!' < <' : C (' <C' ' ?: D<((:B' (9' ?9C@; ' 9 '(; :< ' ? : : 9 '9!!<@<C ' F < ; D : ' < ' 9D=CE' C :' C 9A :B' (9' ; 9 B' ?6= <@' D : :(< F ' (; :E' ;C :' (; :' <= : (E' (9' > 9A ' (9' 6((: ' C B' (9' C F6 :' ! : : E' (; 96F ; ' (; :' ? : ' C B' (; : E' C :' : @96 CF :B' (9' !9 D' 9 6 (: : ' <! :' 9 ? ' ' (; :' . < C(< :' 966@<' ; C ' =: : ' : C F :B' ' =6(' (; :' CBD< < (C(<9 ' 9!' (; :' : <[B: @E' : DC< ' C '? :' C' B: ?9(< D' C ' (; C('9!' 6 <C' 9 ' . < . ; : E

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C EFCQC' + 9C@;R' < ' D: (<9 :B'< ' (;:' : <? 6 'C ' (;:' @;<:!'?9 ('9!' (;< ' <B:'9!' B<C ' 9D' C EFCQC'9 :'F :C(' ;<F;ACE'9!' (CB:' :B' (; 96F;' 9 :< '(9' C <=9(\ C' + C;C=CBR' A;< :'C 9(;:'?: :(C(:B' < (9'(;:' :@@C '(;:'@C?<(C'@<(E'9!'A;<@;'AC '(;: '+W B'@: (6 E' R' CFC C' + :9F;6 R' C <@>'< ' C 9' D: (<9 :B'< ' (;:' <(< : C E' 9!' (9 :DE'(;:'F:9F C?;: ' C B' C <C ' < ' ?9>: '9!'< ' (;:' : <? 'C ' ?9 ('9!'< !: <9 '<D?9 (C @:'(9' 9C@;' ; ' ;<? '9!' DC ' =6 B: ' !9 D: E': FCF:B'< '(CB:'B<B' 9(' :V6< :'(9' <:'< ' 6@;'C'@9D D9B<96

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=6(' :U?9 :B' ;C =96 ' C ' (;C(' 9!' 9D=CE ' C B' <(' A96 B' =:' D9 :' 99U<< : <: (' C B' C!: '!9 ' (;:D' (9' 6 ' 6?' (;:' ;C =96 'C B' C @: B' (;:' C< <C ' < : ' A;: :' (;:E' @96 B' =:' ? 9(:@(:B' ! 9D' =9(;' (9 D ' C B' ?< C(: ' 9D :' B96=(' ;C '=:: ' :U? : :B' A;:(;: ' (;:' B: @ <?[(<9 '9!' C <C ' F< : '< ' (;:' : <? 6 'C B'=E' 9 :' 9 ' (A9' C(: ' A <(: ' B9: ' 9(' =: 9 F' (9' `6< 9 ' =6(';:' @C ' =:' 9' V6: (<9 'C ' (9' (;:' !9 D : ' F :C(: '9!' C <C '< ' (;:' 9 @C ' A ;<@;' ! 9D' <(' <(6C(<9 ' 9 'C' C <FC= :' < : ' C(' (;:' 6 @(<9 '9!' (;:' 9 (;':C ('C B' 96(;':C (' 9CB ' 6?' (;:' 3 ;C6(' A96 B' C(6 C E' C <C ' (;:' C @<: (' ?9 (' 9!' ;:@9D :' C' ? C@:'9!' : 9 ('!9 ' D : @;C (' 9D' CE' C< 96 ' ! 9D' C ' ?C ('9!' (;:' :@@C ' N E:) (: (<D9 E' < ' V6<(:' B< (< @(' C ' (9' A ;C(' C <C ' =CB' =: : ' : : '6?' (9' (;:' < C <9 ' C B' @9 V6: (' 9!' (;:' 9 @C '=E' (;:' 1C; C((C '< ' (;:' &%(;' @: ('E' ;:' (9A ' ;CB' =: : ' (C>: ' =E' (;:' 9 (6F6: :' < ' &#*#' =6(' AC ' 9(' ;: B' =E' (;: D ' CE ' D: ' A<(;' C' @9 (C (' FC < 9 Y' C B' <(' =: 9 F:B' (9' (;:' 16 6 DC ' >< FB9D' 9!' : : C?99 ' A;: ' < C :' <Q:B' <(' N E: ' 9 ' ;< ' ACE' (9' (;:' @96 (' 9!' < C : : ' (CE:B' C(' C <C ' < ' ? <' '&T%#' C B' ;:' CE ' 9< <(" Z ⅱ C< E' (;:' :U(' D9 < F' ' :!(' (;:' D9 (' F 9 <96 ' 6< ' (;H 1C;9D!(BC '< '(;:' :@@C ' : : ' ;CB' @C6 :' (9' B:? 9 :' ' !9 ' (;< '@<(E' 9 @:' (;:' @;<:!' :D?9 E' :U@: :B' 9(' 9 E' < ' (CB:' =6(' (;:' F: : C ' @9 :V6: (' (<D?(696 @C '<!' (;:' : <@ '9!' (;:' (C(: E' !C= <@ ' DCE' CBB' @ :B<(' (9' 6@;' C' =: <:!' ' A;<@;' : <@C ' 9(A<(; (C B< F' (;:' !6 E' 9!' (=:' 9 !6FC .' C!!@: A)C B ' 9!' (;:' 1 9F6 ' < @:' 9!' < C : : ' C B' 9A' C(: E' CFC< ' 9(' (;:' 1 9F6 ' C :' (< ' (;:' :U(C (' DC > ' 9!' <(' ? < (< :' ;:<F;(' ;:' :DC< < F' =6< B< F ' ;C < F' DC E' (9 :E ' 9!' V6C :'' !C@< F' (9 : ' C B' (;:' D9 V6: ' A;<@;' C :' 6D: 96 ' 9!' (;:' CD : ' C=C(< F' <((:' @!' (;:< ' C @<: (' 6 (:' =:< F' C ' AC(: :B' A<(;' B: <@C(:' (C > ' C=96('A ;<@;' C :' @9 (E' (9D= ' A<(;' (;:< ' B< (< @(' @;C?: ' 9 ' D9 V6: Y' < C : :' ;CB' @9 : (:B' DC E' 9!' (;: :' D9 V6: ' < (9' F C C <: ' M' ;:' ;96 : '(;:' ? : : ('< ;C=<(C ('>: :'< ' C :' D :C ' (;:' ?:9? :' =:FF.. E' =E' :C 9 '9!' (;: :' ;9 (< :' < 96 C<9 Y' D :)C @9 :@(6 :'< ' ? 9=C= E' @9 :@(' (;C(C <C ' :DC< :B' (< ' C(' C ' : : (' (;:' 3(;' @: (6 E' (;:'<D D :B<C(:' D :(9?9 < '9!' C :((: ' 9D[=CE ' C :< ' C B' C ' (;:' CB C@: (' @96 (E' ' =6(' C ' C' (CB< F' ?9 (

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:B' (;:D' <9' B<:?9<:' =:!9 :' (;:' CB<' 9!' (;:'(9 'CBB'(9'(: ';<D' (;C(' ;<C' ? 9?;:(' 1C;9D:B' ACC'< ';: 'A<(;';<:'!C(;: '(;:'B: < '9 'A;<@;' (;:' 39 : 9':U:@6(:B'(;:D'6 B:':U@: < :'(9 (6 : '=6(' AC';<DH' : !'=C < ;:B'!9 ';<' @ 6: (E' =E' (;:' >< F' 9!' (;:' @96 (E)H ;:' 9 (F6: :' (A9' @: (6 <:' C!(: AC B ' CD? E' C : F:B' (;:' ! <C ' C =9 C) '(<D:' 6 ('=:!9 :'(;:' 9 (6F6: :'@9 V6: (' M' C C' AC ' (< ('C' ? C@:'9!' DC E' D9 V6: ' (:D? : ' C B'FC B: ' =C('(;:'(CB:' AC ' DC ' ;: :' A: :' (< ' ?< C(: ' B9< F' =6 < : '! 9D' (;:'?9 ('=6('9 'C' :B6@:B' @C :' 3<9 C < 9(: 9' CE '(;C('(;: :' A: :'(;:' :DC< '9!'C '<DD: :'@<(E'(9'=:' :: ' C B'(;C('(;: :' (9A ' (< '@9 $' (C< :B'# 000' : :('A:C : 'Y'+ 6 :R' C C'< '<('(C ' FC :'? C@:' < ';:'(<D:'9!'(;:' 9 (6F : :'(9' C :< ' (;96F;' <(' (< ' :DC< :B' C' 99 <B: C=<:' ? C@:' \ B:' <(< ;' 6 :' <('< ' C' (; < < F' 6=6 [=C '(9A 'A<(;'C' C F:'?9?6 C(<9 ' !' C(< :' ; < (<C ' (' :B' (9' =:'!CD96 '!<!(E'E:C 'CF9'!9 '(;:'=C99 '@6 :B'(;: :' =6('(;<' = C @;' (CB:' ;C 'B<:B' 96(' (' (< ' DC C!C@(C : ' :U@: : (' @9((9 ' C B' < >'F99B

6 C(';9A: : ' ::D '(9' ;C :' B CA '(9' <(: !' D9 ('9!' (;:'(CB:' CB:'9!' 6 C('&%(;' : (6 E 9!' K: (: ' B<C' A<(;' 6 9?:' A<(;< ' C'@: (6 E' C!(: ' (;:'B< @9 : E' 9!' (;:' ?C CF:' 96 B' (;:' C?:' 9!' 399B' 29?: ' ;:' F < ;' :((:D: (' AC ': (C=< ;:B';: :' < '&T&W'C B' B: 9 ' (9'F< :'C '<B:C' 9!' (;:' =6 < : ' @C <:B' 9 ' =E' (;:' !C@(9 '9 ' 6 C('V69(: ' ! 9D' 6@:)' C '(;:' (C(:D: ('(;C('< '&TTO' <U' ;<? ' C < :B' ! 9D' F C B' A<(;'F99B ' C B' =6 <9 ' (9'(;:' C 6:'9!' f&*0 000' ;:' :U(' E:C ' & W00' (9 ' 9!' ;<??< F' C < :B' A<(;' (9@>' :< :B' C(' f%# 000" '&T%0' @CD:' & #00' (9 '9!' ;<??< F' '< '&T%W'!96 ' ;<? ' A<(;'@C F9' C B' =6 <9 ' C 6:B' C(' fO# 000 ' C B' < ' &T%*' (9@>' C B' = <<9 ' A: :' = 96F;'('(9' (;:' CD96 ('9!' f&00 000' M' K<(;' :FC B'(9' ?C [(<@6 C ' C (<@ :' 9!' (CB:' < B<F9' AC ' < ' D9 :' B:DC B' (;C ': : ' :??: ' C (?:(:' CA' C B' A 96F;(' < > ' (9' (;:' C 6:' 9!' f*0 000' C' E:C ' 9C <99:F' (9' (;:' C 6:' 9!' f&T0 000' C B' C <96 ' B 6F ' A: :' :U?9 (:B'(9' F C B' '(CB:' < 'B<CD9 B ' AC '@;<:! E' !< ('39((: ' : '&TO, @9 !< :B' (9' ? < C(:' B:C : ' A;9' ! :V6: (E' DCB:' C F9' ? 9!<(' 9 '

<<B: !(= C' C((: (<B=' AC ' C .CBE' ?C<B' (9' (=:' : ?9 (C(<9 ' 9f' R' @9((9 ' C B' 9' :C E' C ' &TO,' C((:D?(' A: :' DCB:' (9' C :' < :<F; (' =E' @9D? : < F' <(' < (9' =C : ' A<(;' (;:' C<B' 9!' DC9=< :@E ' N9 ' (;< ' ?6 ?9 :' (;:' @9D?C E' : (' 96(' ⇕C' 9 :A' 9 ' : F< :)' ' &TP%'(;: :' DC (' ;C :'=:: ' 9 :' 6@;' DC@;< :' < ' 9D=CE 'C ' A :' ;C :' (;:' 39 : 9 '9 ' (;:' W* B' 9!' 1C @;' < '(;C(' E:C ' A <(< F' (9' (;:' : <B: ('C B' 9 9<' C(' 6 C("Z H' :' 9!' (;:' :(' 9!' 96 ' @9((9 ' 9 :A' =:< F' = 9>: ' A9' ;C :' < ' C< ' : B:C 96 :B' (9' F:(' C' ?<:@:' 9!' (<D=: ' < ' (;:' @96 (E' (9' D .:' C' :A' 9 :' ;: :!9 :' B9' E96' : B' ' C ' 99 ' C ' ?9 <= :' 9 :' 9' (A9' ?<:@: ' 9!' 9D< =C' (<< =: ' < ' : F(;' &O' !(' *' < ' = 9CB' W' !(' ,' < ' C B' &' !(' W' < ' (;<@> Y' ;< ' :U(C@(' < ' < (: : (< F ' 9(' E' 9 ' C999 (' 9!' (;:' :!: : @:' < ' <(' (9' (;:' @9((9 ' (CB: ' =6(' =:@C6 :' <(' ;9A ' ;9A' : B: ' A: :' (< ' 9D=CE) ' : 96 @: ' 6B' ;9A' @9D? :(:' ;: ' B:?: B: @:' 9 ' 6 C(' : : ' C(' (;:' : B' 9!' (;:' &%(;' @: (6 E ' N 9D' (;:' (<D:' +&%OOR' A;: ' (;:' (A9' @9D?C <: ' (;C(' =CB' =:: ' BF;(< F' !9 ' (;:' B<C ' (CB:' A: :' 9< :B' < (9' 9 :' C' :A' E (:D' 9!' (CB:' AC ' < (9B6@:B ' 9!' A;<@;' 1B ' + 9 ' '@;C? ' &R' F< : ' C' @9D? :(:' C@@96 (' ;:' 9D?C E) ' F99B ' A: :' ! 9D' (;< ' (<< :' @;<:! E' @9 :E:B' < ' ;< :B' ;<? ' C B' (;:' 9D?C E' 9 E' >:?(' M' 9D:' A<!(' C< < F' ?C@>:(' C B' C' : E' !:A' (CB< F' : : ' ;:' ' 9' ' ' & ' C (<9 j ' 9(' A ;<9 ;' (;:' <D?9 (' (CB: EC' D' ' (C' ' ' @;<:! E' @9 < (:B' A: :' @C <@9: ' C B' (;: 9(;: ' A9 : ' DC 6!C@(6 : ' 9!' B<C' ' CA' <>' B<CD9 B ' (:C ' ?9 @: C< ' ?:??: ' B 6F ' C B' C (?:(: ' ;:' 9!!<@<C ' C 6:' 9!' (;: < ' <D?9 (' < ' &%0*' AC ' f,P* W%#' C B' (;:< ' C : CF:' C 6C ' <D?9 (C(<9 ' !9 ' (;< ' C B' (;:' < :(:: ' !9 9A< F'E:C ' AC ' f%#0 0,W ' ;:' 9D?C E' :U?9 (:B' : B' V6<@> < : ' A99 : ' @ 9(; ' ;C BAC : ' C B' = <9 ' (9' (;:' C : CF:' CD96 (' !9 ' (;:' CD:' (A: (E' E:C ' 9!' fT*, T*O ' 9!' A ;<@;' 6D' !96 '!<!(;' AC ' =6 <9 Y' A< F' (9' (;:' @9 !6 <9 ' ? : C< < F' (; 96F;96(' B<C ' (;:' 9D?C E' !9 =CB:' <(' : C (' (9' B< (<=6(:' <(' F99B ' < ' (;:' < (: <9 'ó (;< ' =6 < : ' AC ' :!(' (9' C(< :' C B' 9(;: ' < B:?: B: ('B:C : ' N9 '(;:'?6 @;C :'9!' F99B ' !9 ':U?9 (C(<9 'CF: (' A: :' :D? 9E:B ' KC :;96 : ' 9 ' !C@(9 <: ' A: :' =6< ('C B' !9 (<!<:B' C ' ? C@: '9!' B:?9 <(' C B' (;:' 6 9?:C ' CF: (' DCB:' CB C @: ' (9' (;:

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; :' (CB :' :DC<6 :B' < ' (; :' :U@ 6 < :' ?9 : <9 ' 9!' (; :' 9D ?C E' (< ' &0&*' ? < C(:' ?: 9 ' =:< F' 9 E' ?: D<((:B' (9' (CB :' A<(;' (; :' 9D ?C E ' <@: @: ' ; :' 9D ?C E) ' : C (' ;9A : : ' =CB' (; :' ? < < :F :' 9!' (D < F' 9 ' (; :< ' @A ' C@@96 (' ; < ' D9 9?9 E' B<B' 9(' =: :!<(' (; :' 9D ?C E' A ;9 :' :D=C C D: (' @9 (C (E' < @ :C :B' < ' ?<(:' 9!' 6@@: !6 ' AC ' C B' @9D D : @<C ' ? 9!<(' C B' =6(' !9 ' <(' (; :' !9 :<F ' (CB :' 9!' K : (: ' B<C' A96 B' ; C :' =: : ' DC >:B' =E' C' D6@;' D9 :' C?<B' C(:' 9!' < @ :C :'< '(; :' (;' @: (6 E' K ; C('<D? 9 :D : (' 9D=CE' FCD ' 9 ' ' 6 C(' B<B' (C>:' ? C@:' AC ' C(' 9D=CE' A ; <@; g =:< F' C ' F < ;' @<(E' C B' C D F' C F99B' ;C =96 ' A<(;' (; :' 9 E' B9@> ' C C< C= :' !9 ' :!<((< F' C F :' ; ;<? < 99 ' =:FC ' (9' 96((<?' (; :' F < ;' :((:D : (' C(' 6 C($ C' 1C ;9DH D :BC ' @<(E' 9 ' (; :' =C >' 9!' C' < : ' 9(' C <FC= :' !9 ' ;<? ' 9!' ; :C E =6 B: ' C=9 :' (; :' ?9 ('9!' AC E' ;<?'=6< B< F' ; 9A : : ' @9 (< :6 (9' =:' @C <:B' 9 ' C(' 6 C(' (< ' C(:' < ' (; :' @: (6 E' C B' < ' &%TW <:=6 ; ' A ; 9' < <(:B' (; :' @<(E' C!(: ' :C < F' 9D=CE' ?:C> ' 9!' <(' C (< ' M (; :' (9 : ;96 :' 9!' (; :' D9 (' ? :@<96 ' ? 9B6@(<9 ' 9!' 2< B6' (C ' 2<(; : '< ' = 96F ; ('! 9D' (; :'< (: <9 ' ?C (' 9!' (; :' :D ?< :' C <D D : :' V6C (<(E' 9!' F99B ' A ; <@; ' (; :' D : @; C (' @C E' < '(; :< ;<? ' (9' (; :' C=<@' 36 !' (; :' : <C ' 36 !' (; :' @9C (' 9!' 1C C=C (; :' @9C (' 9!' 9 9DC B: ' C B' : : ' (9' ; < C' ; :' ? 9 < @: :C ' (; < ' @<(E' C :' !6 '9!' DC 6!C@(6 : ' 9!' C ' 9 (Y' :(' C(' (; C((<D :' C ' (; :' ;<? '! 9D' F C B' C< :B' (9' 9D=CE ' C B' (; :' B< :@(9 9!' (CB :' C(' 6 C(' AC ' 9 E' C' D :D =: ' 9!' (; :' 96 @<' 9!' 9D=CE 9D=CE' ; CB' C 9' B :?: B: ('9 '<(' (; :' 9D ?C E) ' !C@(9 <: ' C(' 6 ;< : CD=CE ' 29 9 :' C <@6(' C B' C9>9(: ' C ' A : ' C ' C(' C(((C' < @<CB :' 1< =C '+ <: (C ' 7)) M CBD<(' (; C(' (; :' B :@ < :< ' (; C (CB :' 9!' 6 C(' =:@CD :' @99. ?<966 '! 9D' (; :' (<D :' (=:' 9D ?C E

?9 : <9 ' 9!' <(' +&%#PR' C B' <:' CBB ' <Z M ' @9 <B: C= :' ?C (' 9!' <(' ;C ' 9' B9C=(' =:: ' (C !: :B' +&OO#R' (9' 9D=CE' ' =6(' A ;C(: : ' B:@CE' 6 C(' DCE' ;C :' 6 : :B' < ' @9D D : @:' DCE' =:' C((<=6(:B' (9' (;:' 6= : <9 ' 9!' (;:' 19F6 ' :D ?< :' (;:' C <;< C(<9 ' 9!' (;C(' ?< <(' 9!' @9D D : @:' A;<@;' ? C F' ! 9D' (;:' < 6D: C= :' AC (' 9!' 9' <@;' C B' :U?: < :' C' ?:9? : ' C B' (;:' B:@ :C :' 9!' (;:' 6@ C(< :' (CB:' (9' (;:' ' 36 ! ' 9!' : <C' C B' C=<C' 9A< F' (9' (;:' C C @;E' < ' A;<@;' : <C' < ' < 9 :B ' C B' < (9' A;<@;' (;:' 6 >< ;' B9D< <9 ' C :' < >< F Y' 9D=CE' C??:C :B' (9' 1<=6 ' C(' (;:' =:F< < F' 9!' (;<' @: (6 E' (9' =<B' !C< ' (9' =:' (;:' D9 (' B6 C= :' 9!' (;:' F < ;' ?9 : <9 ' < ' B<C' N 9D' ;< ' 7)) ' A:' :C ' (;C(' (;:' C 6:' 9!' C ' (;:' D: @;C B< :' C B' (:C 6 :' :U@:?(' (;:' 9D?C E) ' <D?9 (:B' < (9' (9B:' 9!' 9D=CE' C(' =:FD9< F' *9D=CE' C B' 6 C(' < ' (;:' !< :' E:C ' 9!' (;<' 9: (E' &OOW'T' AC ' fW ,00 OOO' C B' 9!' (;:U?9 (' < ' (;:' CD:' ?: <9B' f& PWO OOO' 9' (;C(' (;:' C : CF:' C 6C' C 6:' 9!' (;<' (CB:' AC ' C=96(' VFCC&CCC' ' E:C ' ;:' C 6:' 9!' (;:' F99B ' C B' (:C 6 :' <D?9 (:B' =E' (;:' 9D?C E' < ' (;:' : : (:: ' E:C ' &%PW'*' (9' &OOO'P' AC ' f# *0, &WO' C B' 9!' (;:' F99B ' C B' (:C 6 :' :U?9 (:B' fW O#& OOT' F< < F' C' E:C E' C : CF:' 9!' f,00 OOO' @@9 B< F' (9' (;: :' !<F6 : ' (;:' (9(C' (CB:' AC ' A9 (;' f& *OO OOO' C' E:C ' 6(' < ' (;< ' 6D' < ' < 9 6B:B' C ' (;:' @9C (< F' (CB:' C B' DC E' C (<@ : ' C :' :@>9 :B' (A<@:' 9 : ' N9 ' < (C @:' (;:' ?<:@:'F99B ' <D?9 (:B' ! 9D' 6 C(' < (9' 9D[=CE' C :' ? 9=C= E' @96 (:B' 9 : ' CFC< ' !9 ' (;:' D9 (' ?C (' < ' (;:' :U?9 (' ! 9D' 9D=CE' (9' 9 B9 ' C B' ;< C' ;:' (CB:' A<(;' ;< C' AC ' (;:' D9 (' C 6C= :' ?C (' 9!' (;:' @9D D : @:' 9!' 9D[=CE' ;:' @9((9 ' :U?9 (:B' (9' ;< C' < ' &OO# AC ' A9 (;' <@@C' 6?:: ' T, %* T*P ' A;< :' (;C(' ;<??:B' (9' 9 B9 ' AC ' A9 (;'9 E' <@@C' 6?:: ' # OO %W#& ' ' 9D:' :C 9 ' (;:' :U?9 (' 9!' @9((9 ' (9' ;< C' CD96 (:B' (9' OO OOO' =C : ' 9!' *%# = ' :C@;' 9 ' (;< (E' D< <9 ' = -' ' ' ,;< ' @9((9 ' (CB:' A<(;' ;< C' AC ' =6(9((9 ' (CB:' A<(;' ;< C' &OO#' 9!' :@:' (' BC(:' (' @9D D : @:B' C=96(&%%O' M' ' 9 <B: C= :' !C D < : ' A ;<@;' ;C?? : :B' C(' (;C(' ?: <9 B

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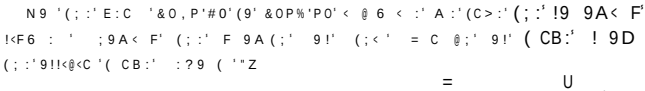

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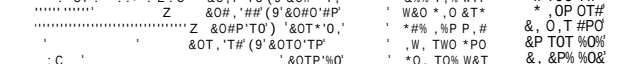

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FINANCIAL ASSOCIATIONS.

Subscribed Capital	Nominal value of sh.	Paid up.	Dividend.	Names.	Rates.
£	Rs.	Rs.	pr. ct.		
1,000,000	400	100	...	Alliance Financial	53 p. ct. pm.
1,000,000	400	50	...	Asiatic Financial	32 p. ct. pm.
450,000	300	25	...	Bombay Finance Corporation	24 p. ct. pm.
750,000	300	100	...	Bombay Gl. Crt. & F. Corporation	6 p. ct. pm.
600,000	300	200	...	Bombay Joint Stock Corporation	45 p. ct. pm.
1,000,000	400	50	...	Eastern Financial Association	71 p. ct. pm.
1,000,000	400	50	...	Elphinstone Financial	14 p. ct. pm.
1,200,000	400	100	...	Financial A. of India and Ch.	76 p. ct. pm.
1,200,000	400	100	...	Do. New Capital	12 p. ct. pm.
1,000,000	500	100	...	Grand Finance Company	12 p. ct. pm.
1,000,000	500	50	...	International Financial Company	5 to 6 p.ct.pm.
640,000	400	50	...	National Financial	5 to 6 p.ct.pm.
1,000,000	400	100	...	Mercantile Credit Financial	10 p. ct. pm.
...	400	50	...	Oriental Financial Association	17 p. ct. pm.
1,200,000	400	100	...	Union Financial	9 p. ct. pm.
800,000	400	50	...	Universal Bank and Financial Corporation, Limited	15 p. ct .pm.

LAND COMPANIES.

2,000,000	10,000	5,000	...	Back Bay Reclamation Company	Rs 46,000 per share pm.
...	...	10,000	12,000	Colaba Land Company	90,000 pm. p. whole s.
540,000	1,000	1000 850	808	Elphinstone Land and Press Company, Limited 3,600 fully paid up shares 1,800 not fully paid up shares	Rs 1,50,000 p. sh. pm.
...	...	1,500	...	2 Frere Press Company's shares.	Rs 5,400 pm.
2,000,000	10,000	4,000	...	Frere Land Company	200 pm.
110,000	2,000	900	...	House and Land Investment Co.	
1,000,000	5,000	3,000	...	Mazagon Land and Reclamation Company	Rs 8,000 pm.
50,000	6,000	4,000	170	Victoria Land and Press Company.	Rs 46,500 pm.

SPINNING AND WEAVING COMPANIES.

			pr. s.		
125,000	2,500	2,500	15	Alliance Spinning Company, Ld.	...
20,000	2,000	2,000	...	Arkwright Cotton Mill Company	Par. nml.
55,000	1,300	5,500	700	Bombay Spinning and Weaving Co.	Rs 1,300 pm.
150,000	2,000	1,750	...	Great Eastern Spinning and Weaving Company	Rs 150 pm.
250,000	1,000	1,000	...	Manockjee Petit's Spinning and Weaving Company	Rs 150 prem.
200,000	2,825	2,500	150	Oriental Spinning and Weaving Company	Rs 400 prem.
150,000	2,500	2,300	...	Royal Spinning and Weaving Company, Limited	Rs 200 prem.
27,500	5,000	5,000	400	Victoria Spinning Company Limited.	Rs 2,500 pm.
160,000	5,000	5,000	6 p.ct.	Coorla Spinning and Weaving Company, Limited	Rs 600 nml.
900,000	1,000	1,000	12	Bombay United Spinning and Weaving Company	Rs 250 prr.

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; :' : @9 (' 9!' @9((9 ' DC !C9(: ' ! 9D' B<C' (9' F C B' =:FC< (9' Þ:@ < :' (9AÇ B ' (; :' @ 9 :' 9!' C (' ; :' CB:'< ' <:@:'F99B ' @: (6 E ' C B' =:@CD :' V6<(:' 6 <F9< @C (' 99 ' C!(: ' (; :'=:F< < F' 9!' (; < '@: (6 E ' =96(' (; :' CD:' (<D :' +&O&*R' (; C(' (; :' ?9 (C' 9!' B<C' A : :' (; 9A '9?: ' (9' F < ;' D : @; C (' CB : (6 : ' ? 9(:@(< :' B6(<: ' 9!' %O' C B' OO' ?: ' @: (' A : :' <D ?9 :B' < ' 3 :C(' <(C< ' 96' @9((9 ' C B' < >' DC 6!C@(6 : ' ! 9D' B<C ' (DB' 9D :' >< B ' 9!' (; : :' F99B ' A : :' C= 9 6(: E' :U@ 6B:B N : :' CB:'!9 ' F C B'9 E M' 2CB' (; < ' 9(' =: : ' (; :' @C : Y' CE ' K< 9 ' M' ; CB' 9(' 6@;' ? 9 ; <=<(9 E' B6(<: ' C B' B:@ : : ' :U< (:B ' (; :' D< ' 9!' C< :E' C B' 9!' 1 C @; : [(: ' A96 B' ; C :' =: : ' (9??:B' < ' (; : < ' 96(:(' C B' @96 B' @C @: E' ; C :' =: : ' CFC< ' :('< ' D 9(<9 ' : : '=E' (; :' ?9A : ' 9!' (:CD ' !9 ' (; :' @9((9 ' C B' < >' F99B ' 9!' B<C' 6?' (9' (; < ' ?: <9B' @96 B' =:' 9 B'!9 'C' ? 9!<(' < ' (; :' <(< ;' DC >:(' C(' C' ? <@:' ! 9D' TO' (9' TO' ?: ' @: (' 9A : '(; C ' (; 9 :' !C= <@C(:B' < ' F C B ' ; :' B<C ' D< ' A : :' @ :C(:B ' (; : :!9 : ' =E' (; :' C@ <!<@:' 9!' (; :' B<C ' DC 6!C@(6 : Y' ; < ' < ' F9< F' C' <((:' (99' !C ' F C B' ; CB' 9(!CDG DC >:(' (9' 99>' (9' =: <B: ' B<C ' ; :' @96 B' ; C :' F9(' CA' @9((9 ' ! 9D' D : <@C' C B' DC !C@<C :B' @; :C?' F99B ' !9 ' C ' (; :' A9 B' :U@:?(' B<C' <' C B ' <!' (; :' B<C ' DC !C9(: ' =CB' :C E' =: : ' 9' D 9;' @; :C?: ' (; C ' (; 9 :' ; :' @96 B' ? 9B6@: ' (; :E' A96 B' : : ' ; C :' =: : ' B< ? C@:B' < ' (; :' B<C ' DC > :(' =E' F < ;' ?<:@:'F99B ' ; :' B<!!: : @:' 9!' M' #O' (9' TO' ?: ' @: (Y' < ' ? <@:' DC (' :!: ' (9' C' ?: <9B' C (: <9 ' (9' (; :' A9 B: !6 ' @; C F:' @C6 :B' =E' (; :' <D? 9 :D : (' 9!' DC@; < : E' <;' F C B' 9!: 9 ' K< 9 '99 B' 9(' ; C :' =: : ' !CD< <C ' A<(; ' (; :' DCF <(6B:' 9!' (; C(' @; C F: '9 ' ; :' A96 B' 9(' 6??9 :' (; C(' ! : :' (CB:' @96 B' : : ' ; C :' : C= :B' =C B'DCB:' @9((9 ' F99B ' (9' @9D ?: (:' 6@@: !6 E' A<(; ' F99B ' DCB:'=E' DC@; < : E' F < ; ' @C <@9' = :@CD :' 9' ? : (<!6 ' C B' F99B ' =: <B: ' =:< F' : (: D '' E' @; :C ?' (; C(' <(' 6?: :B:B' D >' C B' 9' 6< :B' (; :' A :C : ' 9!' ?<(!<: B ' C ' A : ' C ' (; 9 :' 9!' : FC ' 1C9?; : 9 '< ' ; < ' C ' 9!' 9D D : @: ' C E ; : ' DC 6!C@(6 :' 9!' 9C <:9: ' A ; <@; ' AC ' =:F6 '< ' C 9C ; < :' < ' (; :' E:C ' &%%W ' AC ' 9A' +&%O#R' ? :((E' F: :' C E' : (C= < ; :B' < ' : : C ' ?C ('9!' F C B' C B' @9(C B' ; :' DC 6!C@(6 :' 9!' D 6 < ' AC ' =:FC ' < ' (; :' E:C ' &%O&' C B' AC ' C?<B E' < @ :C < F' '(; :' E:C ' &%O* ' (; : :' A : :' C=9 :' C' (; 9 C B' 99DC

:(' (<?' < ' 3 C F9A' 9(' (; C(' D 9 (' =: :!<@<C ' C (<@ : ' < ' A ; <@ ; ' (; :' >< ' C B' C=96 ' 9!' (; :' D :9 ; C <9' C< :' (; :' CA' DC(: <C ' (9' (A : (E' (<D : ' (; :' C :' <(' AC ' 9!' A ; : ' <D ?9 (:B ' : FC ' A ; <@ ; ' !9 ' 9D :' (;96[C B ' 9!' E:C ' (99B' 6 :V6C :B' < ' (; :' !C= <@' 9!' D6 < ' !<F :B' @C <@9: ' C B' 9(; : ' !< :'@9((9 ' F99B ' < ' < C :B' < ' : : C ' ?C (' 9!' 3 :C(' <(C< ' < ; :' C?<B' < @ :C :' < ' (; :' D=: ' 9!' ?< < F' : F< : ' A ; <@ ; ' (99>' ? C@ :' < ' 99 :V : 9 :' 9!' (; :' :U?< C(<9 ' 9!' >A <F ; () ' ?C(: (' !9 D ' C' :A' : C ' 9(' 9 E' < ' DC 6!C@(6 : ' C B' @9D D : @ : ' =6(' C 9' < ' (; :' B : ' 9!' =9(; ' :U: ' N9 D : E ' C' ; C B 9D :' @9((9 ' F9A ' AC ' 9(' C((C< C= :' =E' A9D : ' < ' ; 6D = :' @< @6D (C @ : ' ' C B' (; : @ :' (; :' @9((9 ' A : :' D<U:B' K<(; ' < : ' EC ' (9' :B6@ :' (; :< ' ? <@ : ' 6(' 9A' @9((9 ' EC ' < ' @ ; : C ?: ' (; C ' < : ' ECD ' C B' @9((9 ' F99B ' C :' : E' D 6@ ; ' 6 :B' < ' ? C@ :' 9!' @CD= <@ ' CA ' C B' 9(; : ' :U?: < :' !C= <@ ' ?!' ! CF ' C B' (; : E' ; C :' C D9 (' (9(C E' 6?: :B:B' (; :' < > ' K9D : ' 9!' C ' C > ' ! 9D' (; :' ; <F ; : (' (9' (; :' 9A : (' C :' @ 9(; :B' < ' <(< ; ' DC 6!C@(C : ' 9!' @9((9 ' ! 9D' (; :' D6 < ' @C? ' 9 ' (; :' (9?' 9!' (; :' ; : CB' (9' (; :' @9((9 ' (9@>< F' 6 B : ' (; :' 9 :' 9!' (; :' !99(Y' (' AC ' 9D :' (<D : ' ; 9A : : ' = : !9 :' <(< ; ' DC 6!C@(6 : ' = : FC ' (9' C?'' ? C (' (; :' DC 6!C@(6 : ' 9!' B<C' < ' (; : < ' 9A ' ; 9D : ' 9 B' C (: '' :CF ; ' (C(: B ' < ' (; :' B : = C(: ' 9!' &0&*' (; C(' < ' (; :' C (' (A : (E' E : C ' (; :' :U?9 (' 9!' 99((9 ' DC 6!C@(6 : ' (9' B<C' ; CB' < @ :C :B' ! 9D' fW OOO' (9' f&OO OOO ' C B' AC ' @ :C E' C' F 9A< F' (CB : ' 1 ' 6 < C ' C<B ' C=9 (' (; :' CD :' (<D : ' (; C(' (; :' C : CF :' :U?9 (' 9!' DC 6!C@(6 :B' @9([(9 ' ! 9D' &%PW' (9' &%PT' AC ' f%*O ' A ; < ! ' = : (A : : ' &OO%' C B' &*&&' <(' AC ' fPT POO ' N 9D' (; : :' DC ' = : F< ! F ' (; :' (CB : ' F :A' C?<B E ' < @ :C < F' : : E' E : C ' 6(' < ' &OP*'P&' (; :' (CB : ' :@ :< :B' C' @ ; : @ > ' ; :' :(6 ' ; : A :B' C ' : 9 D96 ' B : @ :C : ' C' : 6 (' = 96F ; (' C=96(' =E' (; :' C F :' (9@> ' 9!' (; :' ? : <96 ' E : C ' (; :' 9A' C(:' 9!' :U@ ; C F :' C B' C 9' (9' (; :' @ 9 6 : '9!' (; :' D< (' C B' (; :' @9 :V6 : (' B< (6 =C @ :' 9!' :U@ ; C F :' A<(; ' (; :' < : < F' @96 (<: ' N6 (; : ' C (' ' :@9 : E' C!(: AC B ' (99>' ? C@ : ' C B' < ' &OP#'PT' (; :' (CB :' A<(; ' 9D=CE' < ' 99((9 ' F99B ' C B' (A< (' C B' EC ' :C@ ; : B' (; :' ; <F ; ' : : '9!' ' T P% O& %OW' < ' C 6 : ' A ; < :' < ' &OPT'P%' CD96 (:B' (9' 9 : ' %PO' C>; ' 9!' 6?: : ' =6(' ; C ' CFC< ' !C : ' ' B6 < F' (; :' C (' E : C ' i&OP%'POR' CD96 (< F' (9' ' T& O# &W&

' B<C' <(: !' (; : :' ;C ' =: : ' C' 99 (C;<' C B' ' '* ,' < @ :!6 :' 9!' (; < ' = C @;' 9!' (CB: ' ;:-' < ' 9((9 ' 1< 'C(9D=CE' (9B69(<= ' < ' 9D=CE' 9!' (;:' E (:D' 9!' DC !C9(< F' @9((9 ' F99B ' C B' EC ' =E' DC@;<: E'< (:CB' 9!'=E' ;C B';C ' (: B:B' (9' C :(';:' B: : 9?D: (' 9!' (;:' F < ,' <D?9 (' (CB: ' 6(' 9A' 9D=CE' ;C 'C' D9 (' !9 D<BC= :'@9D?:(<((<9 ' < ' 5C?C ' C =:<(' 9 ' (CB:' < ' EC D ' !9 ' (;:' ;< C' DC >:(' < ' C(< !C@(9 E ' ;:' 9D=CE' ?< < F' 9D?C . .' (C (:B' C' D< 'C(' 9D=CE' < ' &*#,' C B' (: ' E:C ' C(: ' (;: :' A: :' 9' : ' (;C ' (;< (: : ' A9 >< F' < ' 9D=CE ' K ;C(' ? 9F : ' ;C ' =: : ' DCB:' < ' (;< ' :9((9 ' DC 6!C@(6 < F' < B (E' @C ' =:' : : ' =E' C' F C @:' C(' (;:' !9 9A< F' (C= : ' ? :?C :B' =E' (;:' 9@C ' 1< 9A :)' 9@<C(<9 ' ;:' !<F6 : ' F< : ' =: 9A' ;9A' (;:' CB C @:' DCB:' < @:' &OTP' Z ggggg

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&O%0	&,	* ,* ,TP	' ,&	P #O*	9		
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&O%W	&#	* T% O*T	' T#*	&O W&T	9		
	&O	#O &#T	' P%W	&W W&%	W TW W*;	%' PW,	
&O%,	&P	#W, #*O	† <O*	&* *W*	&P T#&	P& *WP	
& %#	*T	O OT OPO	O **P	&# TPT	9(' :@ 9	B:B	
&O%T	*P	P T* PO*	O TO&				
&O%%	,&	&O ,* P',	P WP&	W, &%,	T WP *OO	& %P OOO	
&O%O		&& †, O,'†	&& #, ,	*& T%O	O &W &TO	W *W O, O	
&O%P	,W	&& ,% *&O	&W *&&	* , ,OW	% , , TO,	W &W %, ,	
&OOO	,W	&& #,]o,	&W *PT	*# OTO	P O& P%O	W T% %OO	
&OO&	,W	&&#O #&O	&W #&O	*% OWO	&O P& %TW	O && P*W	
&OOW	,P	&W *% #*T	&* O&T	*% #T%	&& OW W, O	O &, PW*	
&OO#	#&	&* ,# O<W	&* T&T	,O P%%	&W *P O&W	* #, W*W	
&OO,	TO	&# W, ,PP	&, WPP	,, POO	&, ,# #PO	, &* OWO	
&OO#		&T #O O*T	&, #OO	#& ,WT	&T *O P*O	, T# POO	
&OOT	%O	&T PO %P%	&, T*#	#, &%P	&T O& WO,	, OO * , ,	
&OO%	%#	&% %P *WO	&, PWT	T, %,#	&O PO #PT	# ,W ,#T	
&OOO	OW	&O WO *TP	&# #T,	TP &PP	WO OP %*&	# P% OTT	
&OOP	P&	WO O* OP,	&T T%%	TT #OO	W* *T P ,*	T T% TPO	
&OPO	P,	W* #O %WO	&% %*#	%* WOP	WT *& P#&	% #& POT	
&OP&	P&	W* TO &%O	&O ,O%	%O &W&	*& W# %OO	O P* OOO	
&OPW	PT	W* OO &%O	&P &&%	%P P#&	WP %* W&#	O ,P ,PO	
&OP*	PO	W, PP W&&	W& ,W#	O* PT#	WP *O ,*O	O *% WTO	
&OP,'	PP	W# T* %WO	W, WO,	OP *&#	*O #, T&O	O %W %TO	
&OP#		W% OT %&O	W% ,OT	P% %,%	*, OP *WW	P %, OWW	
&OPT	&OP	W%%, &WP	WO O%*	& OW &P*	OT OW %&O	&O WP * ,O	
&OP%		WO ,P *P#	WO PP*	PT O&#	*& TO #O,	PO P* OW,	
&OPO	&O*	WP T* P, ,	WP , ,T	PP W%,	*T &* *T#	&O *W *PO	

; :' C :U:B' (C= :' ;9A ' (; :' B:(C< ' 9!' (; :' ? : : (' (C(:' 9!' (; :' 9((9 ' ?< < F'C B' K :C < F' 1< '< ' 9D=CE' C B' (; :' : <B: @E'<Z

(=96F ‹' (9' : FC ' =: 9 F ' (; :' ;9 9 ' 9i' ;C < F' (; :' !< ('
!C@(9 E' !9 ' ?< < F' @9((9 ' =E' (:CD''
< . (\ ' K:C '' ?9A: ' < ' B‹C ' ‹(' < ' (9' (; :' 9D'
H' ' =CE' : <B: @E' A :' D9 (' (6 ' !9 ' (; :
;9D :'9!' (; :'< B6 (E ' B' (9' (; :' < C B' 9!' 9D=CE' !9 '‹(' ;<F; : ('
B: : 9?D : (' ; :' !< ('@9((9 ' D< ' AC ' : :@(:B' 9 ' (; :'=C > ' 9!' (; :'
99F; E' < ' &O&O' <: ' '(; :' 9 (' 3 9 (: ' 9D?C E' + 9A' (; :' 9K :C;'
9((9 ' 1< ' 9D?C E ' ‹D‹(:B‹' ; :' !< (' D< ' < ' 9D=CE' AC '
=:F '‹ '&O#&' =E' 1 ' C C=; 9E' 9AC : :' C : 'C B' ‹(' @9D D : @:B'
A9 >' < ' B' C ' C' 9< (' (9@>' @9D?C E' B: ' (; :' CD :' 9!' (; :'
9D=CE' ?< < F' C B' K :C < F' 9D?C E ' (' AC ' !9 9A :B' =E'
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K : :' < ' C‹ ' (: ' D< ' < ' 9D=CE' ? 9?: ' C B' (; : :' < ' 9(; : ' ?C ('
9!' (; :' : ‹B: @E ' : : ' E:C ' C(: ' +&O%TR ' A :' !‹ B' (; C(' C '
B‹C' ; CB' !9 (E : : ' D! ' A‹(; ' AA&CC&AAD' ?< B : '9!' A ; <@; ' (; < (E''
< :' D< ' A‹(; ' P T* BO*' ?< B : ' A : :' : (C= < ; :B' ' ' ( ) 2 #'
: <B: @E ' P &*T' 99D ' A : :' C(' A9 >' C(' (; :' CD :' (‹D : ' 9!' A ; <@; '
B: ' TOO' A : :' 9 (‹B :' (; :' : ‹B: @E ' 9D' (; < ' ?: ‹9B' (; :' F 9A (; '
9!' (; :' @9((9 ' ?< < F' < B6 (E' < ' B‹C ' C B' D9 :' ?C (‹@6 C E' < '
9D=CE ' =:@CD :' D9 :' DC >:B' (; :' 6D=: ' 9!' D< ' BC < F' (; :' ?C ('
! A' E:C ' ;C < F' C F: E' < 9(:C :B' @@9 B‹ F' (9' (; :' 1< 9A :( )'
9@‹C(‹9 ' :?9 ('9!' &OPO' (; : :' A : :'&*%' D< '‹ ' : ' B‹C' +C ' ‹ [
@ :C :' 9!' TO' ?: ' @: ('9 : '!‹ :'E:C '=: !9 :R ' A‹(; ' *W %, &PT' ?< B : '
C B' W* ,&W 99D ' 9!' A ; <@; ' ‹ ' (; :' 9D=CE' : <B: @E' A : :' 9@C(:B'
< :(E'!96 ' D< ' A‹(; ' W* #O %WO' ?< B : ' C B' &% %*# 99D ' '
&OP& ' (; :' 1< 9A :)' 9@‹C(‹9 ' :?9 (' ;9A :B' &*, ' D< ' ‹ ' B‹C '
K‹(; ' ** #& TP, ' ?< B : ' C B' W, #*&' 99D ' !' (; ‹ ' D=: ' P&' D< '
' A : :' ‹(6C(:B' ‹ ' (; :' 9D=CE' : <B: @E ' A‹(; ' W* TO &%O' ?< B : ' C B'
&O ,O%' 99D ' ' &OPW ' (; :' D=: ' 9!' D< ' ‹ ' C ' B‹C' ‹ @ :C :B'
(9' &*P ' ; C < F' *, OW W*W' ?< B : ' C B' W# , , ,' 99D ' (; :' ‹ @ :C :' 9!'
!< :' D< ' =:‹ F' ‹ ' (; :' 9D=CE' : <B: @E ' ' &OP* ' (; :' D=: '
9!' D< ' ‹ ' (; :' C B' C B' : <B: @E' 9!' 9D=CE' ‹ @ :C :B' (9'
&** ' ; C < F' WP T* P, , ' ?< B : ' C B' WP , , T' 99D ' ; :' 9D=CE'
: <B: @E' @9 (C‹ '%O' ?: ' @: ('9!' (; :' ?< < F ' C B' %% ?: ' @: ('9!'
(; :' (9(C ' A :C < F' @C?C@‹(E' 9!' (; :' B‹C ' D< ' C B' C=96(' & 00 000

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;:' D< ' :U@:?(< F' (;9 :' =: @ F< F' (9' ? < C(:' 9A : 'C :' <D<(:B' <C=< <(E' @9D?C <: '@9 B6@(:B' 1C CF:D: (' 6 B: ' (;:' ? 9 < <9 ' 9!' (=:' 9D[?C <:)' @(' 9!' &OTT' C B' &OOW' ;:< ' C!!C< ' C :' 6?: < :B' =E' 9C B '9!' < :@(9 'C B' DC CF:B' =E' C' :@ :(C E' 9 'N< D' 9!' F: (' 9' (;:' :@ :(C E' 9 'N< D' 9!' F: (' =: 9 F ' (;:' <D?9 (C (' (C >' 9!' ? 9;C < F' (;:' :@: C E' @9((9 ' @9C ' (9 : ' B 9 'C B' 9!' :!!:@(< F' C : ' 9!' EC 'C B' @ 9(;' 9 ' C :' (;:' B6(<: ' 9!' (;:' :@ :(C <: ' 9 ' CF: (' @9 !< :B' (9' (;:' :' B:?C (D: (' (9' : 6 :' 6@@: ' (9' (;:' < (: : ('< ' (;:< '@;C F: '<('< ' :@: C E' (9' : :' (;C(' (;:' D9C(' <F< C (' 6?: < <9 ' 9 : ' (;:' >< :B' C B' 6 >< :B' C=9 ' A<(;< ' (;:' D< ' <(: !'< ' :U: @< :B' =E' (;:' :U:@6(< : ' C B' (9' >::?' < ' @9 (C (' C B' @C :!6 ' (96@;' A<(;' (;:' V6C <(E' C B' V6C (<(E' 9!' 96((6 'C B' : : E' <(:D' 9!' :U?: B<(6 :' ;:' :D6 : C(<9 ' 9!' (;:' DC 9 <(E' 9!' CF: (' < ' (; :' ?<: ' ?: ' ='9V' (;:' (A< (' DC 6!C@(6 :B' ;< ' DCE' =:' C(< [!C@(9 E' : 96F;' !9 ' (=:' CF: (' =6(' A;: ' (;:' DC F<C' 9!' ? 9!<(' < ' :B6@:B' (9' C' D< <D6D '(;:' ;C :;9 B: ' !< B ' < ' DC E' @C : '(;C(' (;: :' < ' <((:' 9 ' 9(;< F' :!(' !9 ' ;<D : !' ;: :'C : '9!' @96 :' : : C ' :U@:?(<9 ' (9' (;< ' 6 :' (=:' D9C(' 9(C= :' =:< F' 1 : ' 3 :C : ' 9((9 ' b' 9 ' A ;9' ;C :' C=96(' WP0 OOO' ?< B : ' 6 B: ' (;:< ' DC CF:D: (' +(;:' C F: (' ?< < F' ?9A: '< ' B<C' B: ' C ' CBD< (C(<9 R' C B' A ;9' :@:< :'=E' ACE' 9!' @9D D< <9 '&O' ?: ' @: (' 9 '(;:' :(' ? 9!<(' C!(: ' :((< F' C <B:' B:? :@<C(<9

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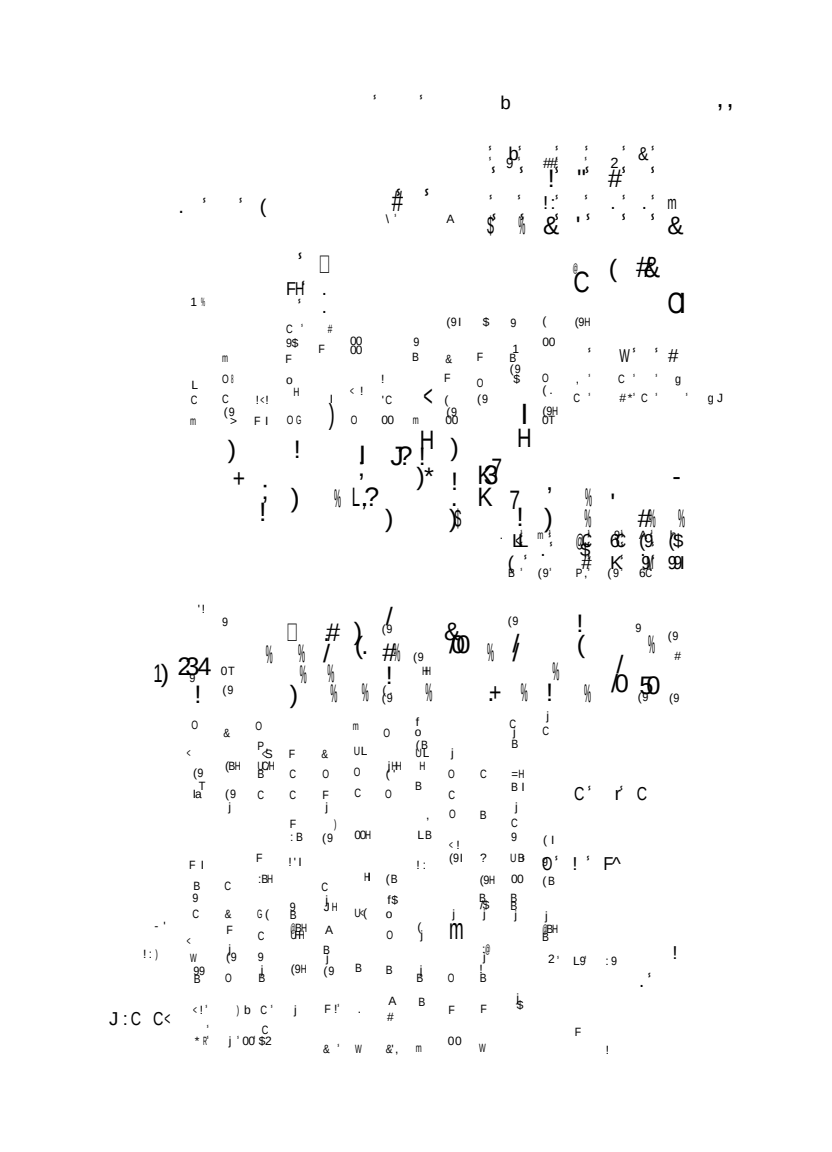
9!'(;:<'DC@;< : E'C B': : '(;: '<' 9D:'@C : 'A<(;'C'@9 <B: C= :' ? 9?9 (<9 ' 9!' 6 >< :B' ;C B ' A;9 :' 96((6 ' =9(;' C' :FC B ' V6C (<(E' C B' V6C <(E' AC ' C(6 C E' : E' B:!:@(< :'C B D :D6 " : C(< :' N9 'C' ?: <9B'(;: :!9 :'(;:'< B6 (E' AC '!9 'C ' ? C@(<@C ' ? ?9 : 'C('C' (C9B (< (' =6(' A;: ' (;:'? CF6:'C=C(.'< '&OPO' (;< F ' K: :'< 'C' F :C(' D:C 6 :' : (9 :B'(9'(;:< ' 9 DC' (C(: ' :'CB : :' : 6 (' 9!'(;:'? CF6: ' :U9B6 ' ;9A: : ' :D<B < F' !9 ' 9D:' (<D:' AC ' (;:' : ;C @:B' ACF: ' C B' (;:' B: < C= :' D9B:' 9!' ?C@< F' (;:D ' A;<@;' (;:' ;C B ' A: :'C= : '=E' (;:' ?C 9<(E'9!' 6D=: ' (9'B:DC B' C B' : !9 @:' ;:' ?: <@<96 ' E (:D'9!' ?CE< F' ACF: ' BC< E' AC ' < (9B6@:B'C B' =:@CD:' C D9 (' 6 < : C' 9A< F' (9'(;:' C U<:(E'9!' CF: ('C B'9A : '(9'>::?' C 'D6@;'C ' ?9 <= :' 9!' (;:<'DC@;< : E' 6 < F'C B' C' :(6 ' (9'D9 (; E' ACF: ' AC '9 E' :!!:@(:B' A<(;' F :C(' B<!!<@6 (E'C!(: ' C' <>:' ;CB'(C>: ' ?C@:

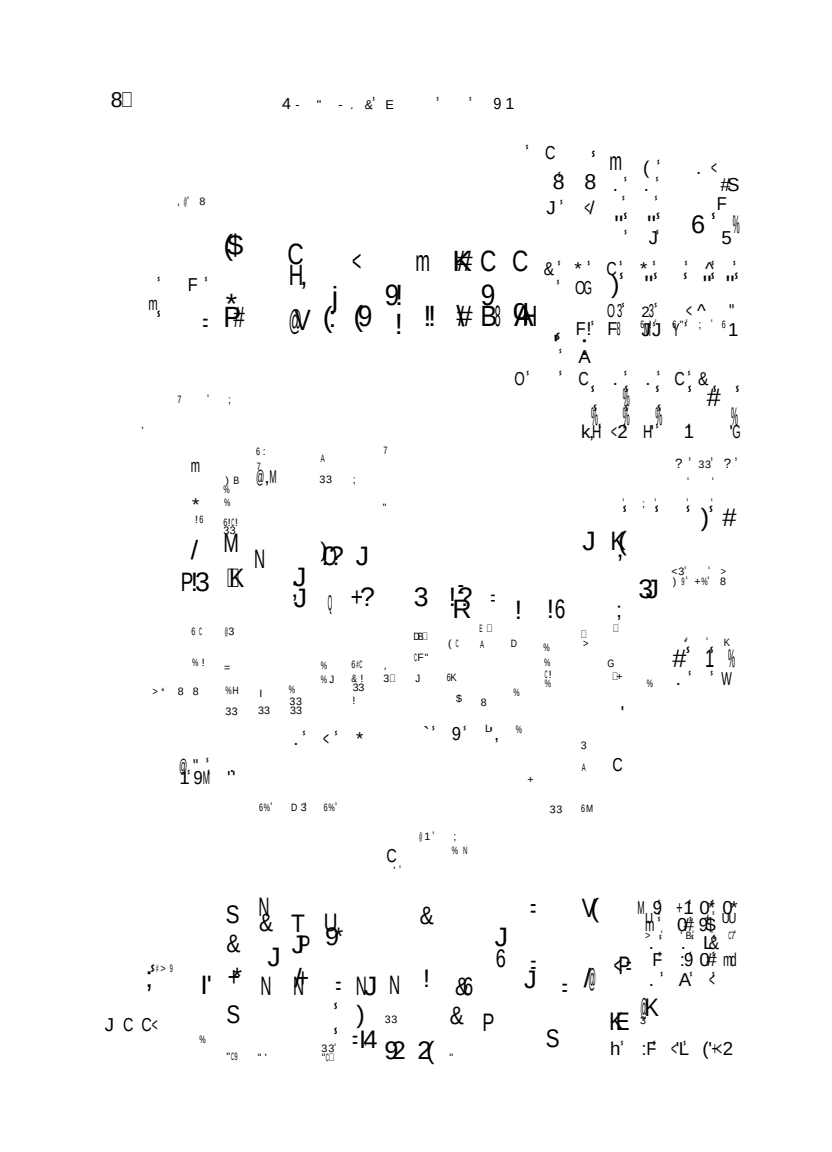
;:'(CB:'< '9?<6D'A;<@;'(: 'E:C 'CF9'AC 'A9 (;' < :' D< <9 ' (: < F' ?: ' C 6D'(9' 39 : D: (?<6D' FF' (:CB< E'B<D< < ;:B'9!' C(:' E:C

9A< F'?C (E'(9'(;:' < 9 :C :B'F 9A(;' 9!' (;:' B 6F' < ' ;< C' C B' ?C (E'(9'(;:' < @ ' :C :B'<D?9 (' B6(E' : <:B'9 ' B<C ' 9?< D'< '(;C(@96 (E' ;:' D9 (' (;C(' @C ' 9A' =:' 99>:B' !9 ' ! 9D'(;:'9?<6D' : : 6:'< ' 9A' <U' : 9 :'9!' 6?:: '9!'A;<9;' C' <((:' 9 : ' C' @ 9 :' C B'(; : :S 6C (: ' C :'@9 (<=6(:B'< '(;:'!9 D'9!'?C 'B6(E'9 '9?<6D' = 96F;(' (9' 9D=CE' ! 9D' 1C AC' !9 ' ;<?D: (' !9 ' ;< C' (;:' :[DC< B: '=:< F' (;:'? 9@::B '9!' C :'9!'39 : D: ('9?<6D'C(' C @6((C' (;96F;'? @: ' C :'F99B'(;:'9?< D' :U?9 ('C :'E:C E'!C < F'CACE' CA< F'(9'(;:' C F: E'< @ :C :B'F 9A(;'9!'(;:'??E' ?C ('< ' ;< C' < @:'(;:' :(<@(<9 '9 '<('@6 (< C(<9 'A: :' :D9 :B'C'!:A'E:C 'CF9 ;:' 9D=CE' 9?<6D' DC >:(' < ' A: ' A9 (;' C' < <(' D9 F' (;:' D: @;C (' A:' !< B' 5:K ' C :: ' S;9C ' 1:D9 ' C B' 9 C; ' C ' =C FC< < F' A<(;' (;:' : : ' A;9' C :' < C <C= E' 1C AC :: ' !9 ' (;:' ?6 @;C :' 9!' (;:' B 6F' ;:' D: @;C (' A;9' ? 9?9 : '(9'=6E' : :@(' C' ?C@>:(' 9 ' ;C !' @C :' 96(' 9!' (;:' 9(' !9 ' C :' A;<@;' 99 < (' 9!' ! 9D' !< :' (' A<(;'C ' 96(<B:' @9 : < F' 9!' F6 E' ;:' @C :' =:< F' !9 @:B' 9?: '(;:'=C '9 '@C>: '9!' 9?<6D' < '<(' @ 6B:' (C(:' C :' !96 B' E< F'< '=:B '9!'?9AB: :B' ?9??E' :C : ' ;< '< '(9'>::?'(;:' 9?<6D'B E'!9 '<(' A96 B' ::D'(;:' 9?<6D' =:!9 :'<('< 'D: (:B'< ' : E' :C < E'BCDCF:B'=E'BCD?'9 ('(99'9 F':U?9 6 :'(9'(;:'C< ' ;:'?C@>:(' 9?: :B' : : C'=C '9!'9?<6D' C :'= 96F;('(9' (;:' D: @;C ('9'?9[?9 :B'=6E: 'C B'96('< '(A9'=E';< 'C < (C (' 9D:(<D: ' <('A< '=:' !96 B'!C<'9!'A;<(' 9 '= 9A ' ?9('9 ' <!'<(' ;C ' 9(' =::' ' ? 9?: E

? : :B ' D< B : A' DCE' =:' B< @9 : :B' (9' ;C :' ?!C(; : :B' C=9 (' <(' ; < ' < ' C(' 9 @:' : :@(: B' ' !9 ' (; : :' < ' 9' 6 :' ;<??<6F' C E(; < F' =6(' (; :' : E' =C (' C B' !< : (' 9!' ?<6D ' (; :' ;< : :' =:< F' : E' ?C (<@6 C ' C=96(' (; :' V6C <(E' 9!' (; :' B 6F' (; : E' 6 : ' D6@; ' D9 :' 9' (; C ' (; :' B<C ' @9 6D : ' A ; 9' D9 (E' : C(' (; :' B 6F' (; :' ;< : :' =:< F' D6@; ' (; :' ; :C <: ' D9>: ' !' (; :' @C>: ' C :' !96 B' @ 9 : E' ? : :B' C B' = C@>' 9 '9!' C' 6 <!9 D' BC >' = 9A ' @9 96 ' (; :' D : @; C (' C(' 9 @:' = : F< ' =C FC< < F' A<(;' (; :' 9A : ' 9!' (; :' F9B9A ' !9 ' (; : ' 9(' :? : : (:B' =E' (; :' @C : ' 6(' A ; C(' < ' 99>: B' 6?9 ' C(' (; :' =: (' < ' 9 B' ; C B' C B' = <((:' 9?<6 D' A ; <@; ' ;C ' =: : ' C' 9 F' (<D :' < ' =9 B' ' C (; 96F ; ' (; :' ; :C E' < (: : (' A ; <@; ' ' ; C ' ; CB' (9' =:' ?C<B' 9 ' <(' C(6 C E' DC>: ' '<(' :U?: < : ' C B' <(' < ' 9!(: ' 9(' 6 (<' (; :' = 9>: ' ; C ' ; : B' DC E' @9 [6 (C(<9 ' A<(;' (; :' 9A : ' C B' (; :' < (: B< F' ?6 @ ; C : '(; C(' C'=C FC< ' < ' (6@>' C B' (; :' (: D ' C :' C C F: B 9' (; :' 6 9?:C ' < <(9 ' (; < ' ? 9@: ' 9!' =C FC< < F' < ' C' D9 (' DE (: <96 ' ? 9@: : B< F ' ; : :' C :' (; : :' : FCF: B' < ' <(Z (; :' : : ' C B' (; :' =6E: ' C B' (; :' = 9>: ' 9 ' D<BB : DC ' ; :' = 9>: ' A< ' (C>:' (; :' ; C B' 9!' (; :' : : ' C B' (; 9A< F' C' 9 (' 9!' @ 9C>' 9 : ' (; :' (A9' @ C ?: B' ; C B ' C ' (9' :!!: @(6C E' @9 @: C ' (; : D' ! 9D' C E' (C B< F' =E ' (; : E' A< ' (C B' (C >< F' !9 ' C' A ; < :' C=96(' (; :' V6C <!E' 9!' (; :' 9?<6 D' < ' (; :' 9(' (; :' < (: B< F' ?6 @ ; C : ' ; C ' : :@(: B ' ; :' = 9>: ' A< ' (; : ' :C :' (; :' : : 'C B' (C>< F' (; :' ; C B' 9!' (; :' =6E: ' 6 B: ' (; :' @ 9C>' B< 9 ' (; :' V6C <(E' A<(;' ; <D ' ; :' :U(C9 B< C E' (; < F' < ' (; :' = 9>: ' DCE' ?C ' =: (A : : ' =6E: ' C B' : : ' : : C ' (<D : ' C B' @9 @ 6B : ' (; :' =C FC< ' A<(; 96(' : : ' (; :' ? <@: ' =: < F' B : (: D< : B' =E' <F ' (; C(' C : ' 6 B: [(99B' =E' (; :' D : :' ? : 6 :' 9!' (; :' !< F: ' !(: ' (; < ' (; :' D : @; C (DCE' < <(' (; :' 9(; : ' F9B9A ' < ' (6 ' : :@(< F' 9C : ' C B' B : =C(< F' 9 : ' (; :' V6C <(E' 9!' (; :' 9?<6 D' C B' <(' C 6 : ' 9' (; C(' (; :' A ; 9 :' BCE' < ' 9C6C E' ?: (' : :' (; :' D : @; C (' @9D ? : (: ' C ' ; < ' (C C@(<9 6(' (; :' ?C @ ; CC :' B9: ' 9(' : B' (; : :' =E' C E' D : C ' ; :' 9C : ' C :' 9 E' ?6 @ ; C : B ' C B' (; :' ? <@: ' !<U : B' 9 ' (; :' @9 B<(<9 ' (; C(' (; :' 9?<6 D' C!(: ' =:< F' 6=D<((: B' (9' C' @C : !6 ' (: (' < ' !96 B' C(< !C@(9 E ' ; :' 6 :' < ' (; C(' C' D : @; C (' < ' C 9A : B' C' @: (C< ' 6D =: ' 9!' ?<:@: ' 9!' 9?<6 D' ! 9D' :C@(;' @C : ' C B' (; : :' C :' : (' B9A (C< ' (9' (; :' (: (< F' 99D ' 9' (; :' < <(9 ' (; :' (: (< F' 9?: C(<9 ' A ; <@; ' (C>:' ? C@:' < ' C' (: (< F' 99D' :C ' (; :' AC : ; 9 : ' C :' (; :' D9 (' < (: : (< F' 9!' C ' 2 : :' C :' !96 B' 9A ' 9!' DE (: <96 ' 99><F' @ CE' ?9(' = C ' @; C((<: ' CB : ' C B' (< E' : C (; : : AC :' @6? ' (; :' :' 9!' A ; <@; ' <' : E' 99 ' DCB : ' C??C : (' '(< '@C :' : : D = < F' C' 9C ; ' = 9U' < ' = 96F ; (' ' < ' C B' ; C B : B' (9' C' @ : >' <((< F' C(' C' B : >' A ; 9 :' B6(E' <(' < ' (9' 9?: ' (; :' =9U' C B' :' (; C(' (; :' ?<: @: ' 9!' 9?<6 D' @9 (C< :B' (; : :< '(C E' A<(;' (; :' B : @ <?(<9 ' F< : '9 ' C' ?C?: ' C@@9 D ?C E< F' (; : D ' C B' C 9' (9' 9(:' < ' C' =99>' (; :' : 6 (' 9!' (; :' C <9 '(: (' 2 C < F' : UCD< :B' (; :

?<:@: '9!' 9?<D 6' @C>:'C B' C(< !<:B' ;<D : !' (;C(' C ' <' @9 :@(' ;9' ?C : '(;:D'C 9 F'(9'C 9(;:'DC ' K;9'A:<F;('9 ('C '96 @:' 9!' (;:' B F'! 9D' :C@;' ?<:@:'C B' (;: :'C :'F 96 B:B'< (9'C' ?9AB: ' 2:C "A;<:'!96 '9 '!< :'9!'(;:'9 CE' ?9(' ;C :'=:: '!< :B'A<(;' @;C @9C'C B' !< : ' <('9 '(;:'(9?' 9!' A;<@;' (;:'= C: '@;C((<: ' ?C (<C E'!< :B' A<(;' AC(: 'C :'? C@:B' (9'(;:'AC(: '(;:'9?< D'?9AB: '<'B 9??:B'C B' C 9A:B'(9'=9< 'A;<@;'<(' 99 'B9: ' 29A' @9D: '(;:'C Q<9 :'D9D: (' '=C >:('< '(;:'=9((9D'9!' A;<@;'C :' C<B' <Q'!9 B '9!' ?C?: '<'? C@:B' 9 : '(;:'=9A 'C B'(;:'=9< < F'9?<:D'?9 :B'< (9'<(' ' C B'F C '<' @ 9 : E'AC(@;:B'C B'<!'(;:'! 6<B'?C : '(; 96F;'(;:' <U!9 B '9!' ?C?: ' A<(;< '(; ::'D< 6(: '<('<'@9 <B: :B'!<('!9 '(;:' :@9 B'(:C(' ('9!(: ' ?C :'< (9'(;:'=9A '< '(;:'@9C :'9!'9 :'D< 6(:'='=6'(;::'D< 6(: ' C :'C 9A:B'C B'<!'<(' (C>: '9 F: '(;:'A;9 :' 9('! 9D'A;<@;'<(' ;C ' @9D:'< '(; 9A '=C@>'9 '(;:';C B '9!'(;'9A : 2C < F'?C :B'(;<'!< ('(: ('C B'=::'?6 <!<:B'< '(;:' <: :'(; 9 F;' A;<@;'<('; C '?C :B'(;:' <V6<B'< '?96 :B'< (9'C 9(;:' = C ' 9;C((<:' C B'CFC< '?C@:B'9 :'(;:'!< :' 9A'<(' :V6< : '(;:'@9 :('C((: (<9 ' C B'< '@C :!6 E' (< :B'A<(;'C' > <!:' (<'<('<' A 96F;('< (9'C'(;<@>' ?C (:'A;<@;'<'@C :B'=E'(;'9?<6D'B:C : 'M'(96@;Y' !(: '<('<'!< :B' < (9'(;:' DC ':C (;: AC :' ?9('C=9 9' :!: :B'(9'C B' C 9A:B'(9' @99 '(;:'< ?:@(9'@9D: ' 96 B' C B' (C>< F' (;:'M'(96@;'Y' B: ' C' (9 F' <F;('(' (< '<('6?'C B'9<9 :E' :QCD< : '<(' : 'C!(: 'C '(;< ' (9 =:'<(' 9D:(<D: ';C??: '(;:'9?<6D'<'6 C= :'(9'(C B'(;' :@9 B' (: (' !'<('<'=C@>'<('<' ? 9 96 @:B'F99B' '=6('<!'<('C 6D:'C' :B'9 ' C'=9A '(< ('<('<' @9 <B: :B' < !: <9 '<' V6C <(E' ;:' D: @;C ('A;9'<'?: ;C? '6? (C< '<' '(;:'F9B9A ' @9 @ 6B< F' 9D:' 9(;: ' =C [FC< '<'<' !9 D:B'9!'(;:' : 6('9!'(;:'(: ('C B';:' C@@:?(' (;:' @C : '9 ' : :@('(;:D'C '(;:' @C :' DCE' =: ' (< ' C(:' 9C' 6: BCE' <F;(' (;: :'(: (< F'9?: C(<9 'C :'@C <:B'9 'C B' : :A:B' ' K:B C .E' D9 < F' 26('(;: :' 99 9 6B:B' C B' (;:' D: @;C (' =:< F' C(< !<:B' A<(;';<' =C FC< '(;:'A9 >'9!' :?C@><F'C B'A:<F;< F' <'? 9@::B:B' A<(;' ;'@C>: '9!'9?<6D'C :'C '@C :!6 E' :?C@>:B'<'@;: (' @9 [(C< < F'&,0'<= ' :((' 6 96 B:B'A<(;'?9AB: :B'?9??E' :C!(9'?:[: :'(;:D'C B'>::?'(;:D'B E' ;:'=9U:'C :' : @9 :B' < ' B96=:' F6 E'=CF 'DC >:B' C B' 6D=: :B' C B'(;: '(;:E' C :' :CBE' !9 ' ;<?D: (;:'C@(6C' C 6:'9!'(;:'(CB:'9!'(;:'E:C '&0T,'T#'< 9<6B< F' 39 : [D: ('(C C@(<9 ' AC ' C ' A< '=:' ;:' CB:'9!' B<C' BC < F'*,'E:C ' F:: '! 9D'(;: :U('?CF:'&&P' @ 9 : ' 9!' 6?:: ' A;<:' (;C(' 9!' &OPT'P%' A;: ' (;:' @9 B<(<9 ' A: :' :U(:D:E' CB : :'CD96 (:B'(9'C D9 ('&P,'9 9 : ' 'C B'(;C('9!' C (' E:C '(9'&P,<' 9 9 : ' ;:'!9 9A< F'(C= :'9!'(;:'(CB:'9!' B<C' !9 ' (;:' C (' (;< (E'!96 ' E:C ' :U;<=<(' (;:' ! 6@(6C(<9 ' A;<@;' ;C :' 9@@6 :B' BC < F'(;C('?: <9B"Z





; :' (DC ' (C(: D : (' ? :?C :B' C('(; :' 9D=CE' CC(9D' 29((:' 99 " `6C (<(<: ' C B' C 6: ' 9!' (C< ' (; :' !9 9A< F' C(6(<(<@C' 9!' (; :' (CB:' CB:' 9!' 9(=CE' 9!' (; < ' : <B: @E' !9 ' (; :' E:C ' &OO%'PO" Z ; :'(9(C ' C 6 :' 9!' (; :' :C'=9 :' CB :' 9!' (; :' 9 (' 9!' 9D=CE' !9 ' (; :' E:C ' &OP%'PO' CD96 (:B' (9' S ' P, *P ** , ,T' CFC< (' ' P, &% #, %%#' < ' &OPT'P% ' ;9A< F' C' <F ; (' < ? 9 :D : (' 9!' S ' W& %O T%&' 9 ' W ?: ' @: (' ; : :' AC ' C' C F :' !C < F' 9!!' 9!' (; :' (CB:' < ' D : @ ; C B< : ' @96 (: =C C @ :B' =E' < @ :C :B' (C C@(<9 ' < ' (:C 6 : ' ; :' (CB:' B6 < F' (; :' C (' (A9' E:C ' AC ' DC : ' (; C ' C E' 9(; : ' E:C ' 9!' (; :' C (B:@CB: ' ; :' !<F6 : ' !9 ' (; :' C (' !96 ' E:C ' A : :' C ' !9 9A ' " Z

&OP&'P# &OP#'PT &OPT'P% &OP%'PO

*

PP %# &O OWW &O# *##, ,&O P, &%#&%%# P, *P ** &,T

; :' C 6 :' 9!' (; :' N9 :<F ' CB :' 9!' (; :' 9 (' 9!' 9D=CE' A<(; ' N9 :<F ' U(: C ' @96 (<: ' BC < F' C (' E:C ' CD96 (:B' (9' ' %, W& , % #%#' CFC< (' ' %, P, , % %W*' < ' &OPT'P% ' 9D?C :B' A<(; ' (; :' C : CF:' 9!' (; :' ? :@: B< F' !< :' E:C ' (; : :' AC ' C' !C < F' 9!!' 9!' T' ?: ' @: (

Z &OP#'PT &OOT'P% &OP%'PO

(! S Z
1 : @ ; C B< :' ' ' ' W% OTO% &&W WT O# #O O** W, TO #& T*&
:C 6 :' &&#WW# T*P &O , % WT *TO &T #, %# #PO
39 : D : (' :C 6 :' 'P* &O% % S#
b' (9 : T% TP &** T& P* WP% OWW* W##

9(C ,0 OT T& OO, *% P# TW TO# ,&%%#%#O&

K$ & 0
1 : @ ; C B< :' ' ' ' *% P* *O &&P ** &T WW O, W W% ,#%O PO%
:C 6 :' * * P, O,& , &# ,% TOO #OO ,& *T%
39 : D : (' :C 6 :' WOO OOO PP O%#
&&' (9 : ' ' * OO ##& * **#P* 1O ##*

9(C ,&#* W# T,& *% TT O* PPo ** W% TO PO%

1 0' ' a &OP#'PT &OPT'P% &OP%'PO

- "' $' $ - &' $ 2' - 0
1 : @ ; C B< : T# %P P% WT& TO O&%* T% # TW OT *O T'O
:C 6 : &# O% WO ,OO &, h %, O, * WW &# &T P#%

9(C OO O% &%%,& %, P, ,%%W* %, W& ,%#%#

39 : D : (' (9 : 'C B' :C 6 :' &W TP TO, T% &O O%, O* %O P&*

3 C B' 9(C ' O&#P O% ,W# %# T& TT #P% %# O# WT ,OO

&*T 1) ' 3\ ' ' 2

; :' (9(C ' C :' 9!' 1 : @;C B< :' <9(: @;C F:B' C(' (; :' 9 (' 9!'
< (<=6(<9 ' 9!' CB:' 9D=CE' BC < F'(; :' C (' !96 ' E:C ' AC ' C '
A<(;'N9 :<F ' 96 (<: ' !9 9A '/Z

9(C < OP&'P &OP#'PT &OPT'P% &OP%'PO

1-

\ <(:B' < !!B9D W OR O P& WO .%, *&T &P WO %P P&O &T ,O %T OO&
6 (<C.'26 FC< < &%#WP ,#, WOW OO %,W WWO P# %%& W &P P# &WP
: .6D * *# P# O*O , O* OW O#T * &P %WWTT W P& ## W*&
N C @: , %* OW &%% #WO %% O&T * ,* %% OT# * &* , , OO*
3: DC E * O* PP T** O ,WOO %&P WT# #O PO* &%, OP *T*
3 ::@: #& *#* TP P%T W P&* * &PO
29 C B &&, #W ,&* , , O# W&O ,&* , *TW &P OO %W,
(C E' &P* TWTOO WW, WO O*O W&P W* O%* &O# W& OPP
1 C (C' &#P *%W & , T &%T %, O,% &O PW,
9 ACE W** OT* %&* %%P TOWWT% # O& OWO
9 (!!C' ' && W%P WO W. ' &P OP, && *O*
C <C' < ' 6 9?:' WT %P O&# WTP %* %P# *TO & &W %% &%P
?C< ' +:<@ \!.< F' `<= C '
(: R #T, ##O &% %& W%& &TP O*% &&*%
C(Z3<= C (C T ,& %PO #%T %&% WW# #&* ## TWP
A:B: * T& %*T * OO %*% , P, ,O# TOO O**
%P T&% #O *&P *O &TW *O ,%W
&T #& #PP &P #& O,% &T T% O#& # ** ,WO
1 9 CD=<V6:' W* %, T%,H W% #W ,OO, *O %P TO& WT ,T ,P
PT T& &PO P#, , T#& PW%* ,*T OO ,* O*%
(; : ' 9 (' * %O OO# , PO OW& TOT OPO &O *% *P*
, , %T O, , ,O O* OP* W# T% O*W W* TP TW&
1 CBCFC @C ' T% %OO O OW W&, # ,OO ,* * ## %**
&%# ,O &%O #% T, * &%W #, &PO & ,O O# O%,
C(C, W, %PT %#W *WT &* &O OPT O *, TT*
(; : ' 96 (<: '< ' ! <@C & ,%%TW & P& %W& * &% ,OW &P *PW
<(:B' (C(: ' + D : <@CR ' , , TT #&# *O *P OWT C #O *PT #% *& OOO
(; : ' 96 (<: ' < ' D:H
<@C' && &W# , OWW & *OO &O O&O
B: P# #* &, * OO %W %*, O# *& #TT O% &W &TT
C=<C &W% *, PT* & ,W #P O&# &&& #P , , * &OT TOO,#
:E9 *# %* ,OO *O %O TOO *& %* , , , WP OO #O%
;<6CZ29 F>9 F TWP %P , ,P TO& OW OO% #O* OT O*, #O ,OT&%
-' :C(E' 9 (, OP &O P&W T *& %W %O* TOO WP &OO , #* #* &%#
5C?C & *T OW WWP W #W OO %#P * %O &% %P% * W% *O OOO
5C C , WP &&# * *& #T& , *& O, & , &T*&
1 :> C 'C B' 9 D<C < * TW WW# &#O T#O , %, #OP , OP P##
: <C WOWT, PO& W *& ,# OOP & OW &O %,O &%% &# %TW
: <<? ;< : ' , , TT WOT %W , * &&T O% ,%O,# &W O%&
<CD && ,OW%% &# #& &#% %OP OOW P , , #O&
(C<(' ;((:D : (&O%OO *%% O%O, OT& %, WP W%W P& OT *%O
<6>:E<' <C P* %& OO% O& OW O,W TO WO #&O , P% T*#
(; : ' 96 (<: '< ' <C' W *% T&* & O# ,OO & OO ,P& OP W*&
6 (C <C && &# WOO %%# *%O & T O# %WW # *P OW*

, - . ' - ' T* &# O% OOW T# %P P% WT& TO O& %* T%# #W OT *O T&O

H U?9 ('9 E (' D?9 ('9 E

HT - ' - . ' . X& S□

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C(<@<<

	&OPT'P%'	&OP%'PO	&OPT'P%	&OP%'PO
				(
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??C : '			T#&&O#&	,&WO&OO
D ' DD6 <(<9 ' b@'			#WW#OT	#*%%,O
99> ' b' < (:B' 1C((: ' A('	%,&*	#P,#	&W&#OOT	PPP ,O*
6< B< F' C B' F< :: < F'				
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C=< :(AC :'C B'N6 <(6 : '			,%O&#%	WO&#&,'
C B : ' ' =	PW#OT,	OWP ,O*	W%&&&W	W&T%*T'
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; : D<@C ' 9B6@('C B' :?C [				
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9@> 'C B' KC(9; : ' 9	&O,O&#	&OWO*O	O ,OPTT	T ,TOP#
9C' ' ' 9 :	*T* ,,W	&%, #T#	%W&&*OO	* , PW*PO
9!!: :' ' ' A(	T####	O ,*W	*OP*P,	*%&%,W
9((9 Z :A' '	#W*&&	,W ,OP	&&%TWO#	PT##T,
A< (C B' CD ' = '	PT%%T%,	&&P ,#O,O	T, &OTP,	TPO&*%W
' 1C 6!C@(6 : '			%WTWWO*O	T&, #*WO%
6F ' 1 :B<@< : ' b' C @9(<@ '			WTOOO*&	W%%%W, *
E:< F'C B C < F'1C(: <C '			#P , , OOO	TOO#O*&
C (; : 'AC :'C B' 9 @: C< '			O ,OO**	TO%W,O
N CU'<1C 6!C@(6 : R		(<'(<	TO#*OO	,W, ,&%
3 C ' C B' 3 C AC :'			*#ORT*&	W*&T#,
3 C< 'C B' 6 :' ' A(	#T%%W&	%**P%*	W, T%OWO	,&,P&#P
36D 'C B' : < ' ' -	#%W%#	TO ,&*	%&PO%T	%O#PTW
2C BAC :'C B' 6(: E'	1		T*W*&,T	,TP&P*%
2<B: 'C B' >< ' ' A ;	&T ,W*	&T#O*	OO%,&T	OTOO**
29? '	WT&T	&O&T	&TOPTO	%T%&O
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9 EZ \ DC 6!C@(6 :B' = '	*W%W&#	**, ,#O	W&OT#PT	W&,&T&O
5:A : : E'b@			#OO*O#W	#OTTWO%
:C(; : 'C B' :C(; : ' 1C 6[				
!C@(6 :			&WP&#P&	&&W&WW*
<V69 ' ' ' 3C \	&*,,W*O	&***&&*	,PW%TW#	' ,TO*WW*
1C@; < : E'C B'1< A9 >			&WWP, OO,	&O&,&&&O
1C(@; :			PO&%TW	-'&#%,W&,'
1:(C ' '			&%&W*,PP	WOT,&T&P
< ' ' ' 3C	/O OO*T#	D') <!56;	&&*O*#%#	&,PO#,W*
C< ('C B' 9 96 '			&, WO&OO	&*#OOTW
C?: 'C B' C (:=9C B'			W*&%OO&	&O#OOT#
9 < <9 '			TP&P ,O*	T,%&#,O
CF ' b9 ' !9 'DC>< F' C?: '		&OOO	&OO ,*T	&T&#O
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: : B ' ' -' A(	II< 9<:	W%#%O	#OOW#O	*&*%#*

	&OPO'O%'	&CO%&	&OPT'P%'	&OP%'PO
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1 C 6(C9(6 ,: '			PT'%#'%%,'	%# &O %*#
9C?' A(	M b % #	IWP *##	# O* &O&	# %* POO
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(C(<9 : E' + : U@ C< F'?C?: R'			&, T& %T&	&& &% OWP
6FC Z , : b :B' ' A(	T TPP	W&,## *&T'	&%O TW O&P	W , * &, ##&
:C' =	%* ,T &OW	WP W,' #O#',	, P PT '%WT	&P OT *WO
9E ' b' ;V6< <(: '(9 ' 3CD : '				#O WOO
\ D= : C ' 9	&#<!: OOW	&&P, O**	&, T& OTO	&& O& *O,
K 99B Z :C>' b' 9(; : ' <D=: '	&T **#	&OTP%&	P PW **&	&W ** &,%
K 99 Z CA' =	WP ,%&#O	WP *W OWT	O P& W&O	O ,W %O&
- 1 C 6!C@(6 : ' Z			%O PT OOP	O#' * TW&
(<@ : ' D ?9 (:B' =E' 9 (			W%#O O,O	W% ,P OT#
(<@ : ' 9(: 6D : C(:B'			#W T%##%	, , ,* #,O
gggggggggggggggg 9(C ' c			WT*# #O O**	W& TO #& T*&

N9 ' :C@;' 9!' (; :' @ C : '6 B: ' A ; <@;' (; :' <(: D 'C :' F 96?: B' < ' (; :' (CB:' :(6 ' (; :' EC 6: ' 9!' (; :' (CB:' < ' (; :' (A9' E:C ' &OPT'P%' C B' &OP%'PO ' C :' (C(:B' =: 9A' " Z

	&OPTHP%	&OP%HPO	@ :C :	:@ :C :
<D C ' < < F	W&W#'OOT	O ** &*O		&W PW TTO
(<@ : ' 9!' N99B' C B' < >	*OW ,W%'OT	, *P ,&,#T*	. P K %%	
1 :(C ' b' 1 C 6!C@(6 : ' 9! Z				
Z 2 C BAC :' C B' 6(: E	T* W* &,T	,T P&P*%	'3	T * W P
Z 1 :(C	&%& ** ,PP	W OT ,& T,P	*#&O &#O	W&,#W OOT
Z 1 C@ ' < : E'C B' 1 < A9 >	&WP, OO,	&O& ,&&&O		&, &OO, ,
Z C< ACE' C (C B' 9 H				
< F' (9@>	&WO *OP,%	&OT W O O*		
: : D <@C ' 6F ' 1 :B<@< : '				
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C B' C < F' 1 C(: <C' Z				
: : D <@C	&#&T %W&	&% O& POW	WT#WT&	
6F ' 1 :B<@< : ' C B				
5 C @9(<@ '	WT OO O*,	W%%% W,#	OO ,&&	
E:< F' C B' C , < F' 1 CH				
(: <C '	TP , , OOO	TO O# OW&	TOP**	
<	&&* O* T%#	& ,PO# ,W*	*T O& O&O	T< P OW
CA' 1 C(: <C 'C B' \ DC 6'	W%W T# PP&	W O%%, PTO	' ' *	& T, W# OT%
!C@(6 :B' (<@ :				
(<@ : ' 1 C 6!C@(6 :B' C B'				
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Z C ' b' :U(<,:' NC= <@	T# && O#&	,& WT &OO		W* O, P#&
Z ??C, : '	WO# #W #WT	W ,T O% %PW		*P , , %*,
Z9(; : ' (<@ :				
9(C	WT O# #O O** &	W, TO #& T*&		W W, PP WOW

: ':<F=(;C'9f' (;:'(CB:' :F< (: :B' 6 B:' (;:' ;:CB' 9!' 9<' <' >: 9 < :' '&OO&'(;:' :(9 :6D' V(' < @CD:' < (9' !9 @:' (' DC< (C< :B' (;:' ! C ;< F'?9< ('C('%*ri C B' : !9 @:B' (;:' :C(< F' 9!' 9<' (= 9 F;' (;:' 6 (9D 'C6(;9 <(<: ' '@9 <F D: ('9!'* WOO'@C : ' 9!'9<'! 9D'(;:' ;<? K< <CD' 96F C ' AC ' :!6 :B'?: D< <9 ' (9' C B'< ' (;:' CD:'E:C ' 6 B:'(;:' @('C '9 '=:< F' (: (:B'<(' AC ' !96 B' (;C(' (;:' !<C ;< F' ?9< ('9!'(;:'9<' AC '=: 9A'%*ri C B' (;:' 9A : ' A: :' @9D?: :B' (9' :' ;<?'(;:'9C : ' A ;<@;'(;:E'B<B' (9' ?9 (' =:E9 B' <(< ;' B<C' '&OOW'O*'C!(: '(;:' :D=C C D: ('@C6 :B' =E' (;:' < (@B69(<9 ' 9!' (;:' :(9 :6D' @(';CB'?C :B'CACE'(;: :' A: :' : E' C F:' <D?9 (' 9!' >: 9 < :' CD96 (< F' < ' C 6:' (9' WP^' C>; ' =:< F' :C E' B96= :'(;9 :'9!'(;:'? : <96 'E:C ' '&OO*'O,'(;: :' AC ' C' C(6 C' :'C9(<9 ' (;: :' =:< F' C' B:@ :C :' 9!'P<' C>; '< ' (;:' <D?9 (' 6(' < @:'(;: '(;:'(: B: @E';C '=:: '6?AC B' ('9 :'(<D:'<('AC 'C (<[@<?C(:B'(;C(' 6BF< F'! 9D'(;:' 6@@: 'A ;<@;' ;CB'C((: B:B'(;:'(CB:' B6:'(9'@;:C?'(C <('@;C F: '=:!9 :' DC E' E:C '(;:' :U?9 ('9!'9<' A96 B'=:' (< : E'B< : (:B'! 9D' D: <@C'(9' C(9 D' C B' C>6'(;:' 6 <C '?9 ('C('A ;<@;' 9<' <' ;<??:B' ' &OP*'P,'(;: :' AC ' C ' :U@: < : E' C F ' <D?9 (C(<9 ' 9!' >: 9 < :' 9<' ! 9D' (;:' \ <(:B' (C(: 'A ;<@;' AC ' B6:' ?C (E' (9' ?:@6 C(<9 '< ' <:A' : ?:@<C E' 9!' (;:'C (@<?C(<9 'A ;<@;' :U< (:B'(;C(' C '< @ :C :'9!'(;:' <D?9 (' B6(E' A96 B'!9 D'?C ('9!'(;:'!< @C' D:C 6 : 'A ;<@;' A: :' 6??9 :B' (9' =:' 6 B:'@9 <B: C(<9 'C B'?C (E'(9'(;:'B: < :' (9'?: : (' 6 <C '9<' ! 9D'(C>< F'?9 : <9 ' 9!'(;:' DC >:(' A ;<@;' <(' (; :C(: :B' (9'B9' ;:'<D?9 ('A: :'< ' !C@(' 9' C F:' C '(9'=:'F :C(E'< ' :U@: ' 9!' (;:' 92'(C>:' C B'(;:E' A: :'C@@9D?C <:B' =E' C' F :C('!C ' < ' ? <@: ' ' &OP,'P# (;:' ?9 <(<9 ' C ' =:(A:: ' 6 C<C ' C B' D: <@C ' 9<< AC ' F :C(E' D9B<!<:B ' !9 ' A ;< :' (;:' <D?9 (' 9!' C <C6' 9<' B<D< < ;:B' (;9 :'9!' D: <@C '9<' B:@ :C :B'!C ' D9 :' C F: E ' (;:' B:@< :' =:< F' ';:C E' (;C(' (;:'(9(C '<D 9 ('9!' '!: '(9'(;:'?9< ('C(rA=<@;'(;:E' ;CB' (99B'!< :'9 ' <U' E:C '? : <96 E' (9@>' !: ' (9' C' : E' 9A' : : ';9 B: ' 9'B96=(' 9('=:< F'< @< :B'(9'9 B:'96('! : ;' 6?? <: ' 6 (<' (;:E' ;CB' 9=(C< :B'C ' '? 9!<('(9' =:' =CB' 9('9!' (;:' (C <!' C C F:D: ('9 :'9!'A ;<@;' AC '(;:'B96= < F' 9!' (;:' <D?9 (' B6(E

<@:C' (; : ' =:FC ' (9' < : ' :C@;< F'C' : C(< : E' ;<F;' : : ' ' (; :' T ('!:A' D9 <=C'9!' (; :' ? : : (' 9!!<@<C ' E:C ' ;: :' @9 B<(<9 ' 9!' :B6@:B'<D?9 (' C B' 9A' (9@> ' ;C ' < @:' = 96F; (' C=96(' C 9(; : ' ! 9A'9!' 9<' (9' B<C ' C B'< ' (; :' E:C ' &OP#'PT ' 9' : ' (; C ' ,0 #' (<" <9 ' 9!' FC 9 ' @C D :' (9' (; <' @96 (E' ! 9D' 6 <C ' C B' W* W' D< <9 ' ' ! 9D' D : <@C ' 6 < F' &OPT'P% <C' (' ,#,' D< <9 ' FC 9 ' C B' (; :' \ <(:B' (C(: ' &P *' D< 96' FC 9 ' ; :' !<F6 : ' !9 ' (; :' C (E:C ' +&OP%'POR' A : :'" <C ' WW O%T OTT' FC ' ' D : <@C ' T TT* PT# FC '< C B' 6DC(C ' #0, %W' FC ' ; :' 6C E' F9'C; : CB' D : <@C ' C :' (< ' @9 (: (' (9' : B' (; :< ' 9<' ; : :' < ' 9C : ' C B' <(' < ' 9 E' (; :' 6 <C ' A ; 9' : B' (; < ' D< : C ' ? 9B6@(' < ' = >' ; : :' ; C ' =: : ' < (C C(<9 ' 9!' =6 >' 9<' (C >' 9(' 9 E' < ' 9D=6E' =6(' C(DC E' 9!' (; :' C F9' (9A ' 9 ' (; :' 3 ' ' C< ACE ' (; :' 9<' =:< F' B: ?C(@; : B' <? C B' =9(;' < ' =C >' C B' < ' 9@C E' DC 6!C@(6 :B' (< ' D ?9 (' 9!' 6DC(C' 9<' ;C ' 9A' =: @9D :' C ' !C@(' C ' 9 : (E' 9!' (; :' C (' E:C ' AC ' (; :' : (C= < ; D : (' 9!' 9D=CE' 9!' C' 6 <C ' N< D' 9!' <D?9 (: ' A ; 9 :' @9D ?: (<(<9 ' C < (:B' =E' ; <F ; : ' :U@; C F:' C B' 9A : ' ! :<F ; (' :B6@:B' (; :' ? <@:' =E' 9D :' (: ' ?: ' @: (' 9(; : '@< @6D (C @:' A ; <@;' : @96 CF:B' ; :C E' <D?9 (' 9!' S@ 9 < :' AC ' (; :' @C @<(E' 9!' 9(; : '9< ' C(' (; :' =:F< < F' 9!' (; :' ?C (' 9!!<@<C ' E:C ' B6 :' (9' ;9 (' @ 9? ' ' F :C(' B:C ' 9!' @9@9C (' ' ;9A : ' ' @<<D :' < ' ! 9D' :E 9 ' C B' :E@; : ' C ' (; :' E:C ' CB C @:B ' ; :' F 9A(;' 9!' (; :' <D?9 (' 9!' 9(; : ' D< : C ' 9< ' !9 ' 6= <@C(< F' ?6 ?9 : ' < ' 9' : ' :DC >C= :' < '<('B:F : :' (; C ' (; :' D< : C '< 6D< C (

; :' (9(C ' <D?9 (' 9!' (; :' C (' E:C ' A : :' (; :' C F: (' !9 ' (; :' B:@CB:' g' C B' (; :' ?; : 9D : C' 9= : :B' <C' &OPT' P%' @9 (< 6:B ' ; : :' ; C ' =: : ' C '< [@ :C :B' C@(< <(E' < ' (; :' 6FC '(CB:' < @:' &OPW'P*' (; < '=:< F' B6:' (9' C' F :C(' <D? 9 :D : ('< ' (; :' (CB:' A<(;' 1C6 <(<6 ' (; :' <D?9 (' ! 9D' (; C(' ? C@:' ; C < F' < @ :C :B' (9' 6@;' C ' :U(: (' (; C(' (; :E' CD96 (:B' <C' &OPT'P%' (9' & TTT O,# @A(' A ; < :' (; :' :@:<?(' ! 9D' 3 : DC E' 29 F>9 F' (; :' \ <(:B' S< FB9D' \' 6 (<C' C :' !C < F' 9!! ' ; :' @C6 :' DCE' =:' C<B' (9' =9' (; :' !C@(' (; C(' (; :' 9A' :U@; C F:' C 6:' 9!' < : ' 6?:: '<C CB C (CF:96 '(9' 1C6 <(<6 ' A ; : :' (; :' @6 : @E' < ' < : "=C(' CFC< (' 6 9?:C ' @96 (<: ' ; C < F' C' F9 B' @6 : @E' <@: ' 6 < F' C(' 29 F>9 F' C :' (99' ; <F ; ' (9' @9D ?: (:' 9 ' C E' (: D ' A<(;' (; :' @ ; : C?: ' C B' :V6C E' F99B' 1C6 <(<6 ' 6FC ' ; :' !:C ' : (: (C< :B' =E' (; :' 1C6 <(<6 ' ?C (: ' (; C(' (; :< ' (CB:' (9' B<C' + 9A' (; :< ' ? < [@<?C ' DC >: (R' A96 B' =:' C< :B' =E' (; :' @ 9 < F' 9!' (; :' 1< (' ;C ' 9(' =: : ' 6 (<!<:B' C ' (; :' <D?9 (C(<9 ' @9 (< 6:' (9' < @ :C : ' K :' (C>C g' : ' (; C ' #%' ?: ' @: (' 9!' (; :' :U?9 (C(<9 ' 9!' (; < ' (C? :' ? 9B6@(

! 9D' 1C6 <(<6 ' 3: DC ' 6FC ' ;9A: :(' AC '?6('9 '(;:' DC >:('< ' C F:' V6C (<(: ' < ' &OP#'PT' C B' (;: .:' AC ' C' !6 (;: ' B' DC B' < ' &OPT'P%' ;:' =: :('@ 9?' =:< F' : E' F99B'9 : ' C ' C :C' :U?C B:B' 6 B: '(;:' < 6: @:' 9!' =96 (<: ' 96(:(' ;CB' (9' =:' !96 B' !9 ' (;:' C F:' ? 9B6@(<9 ' C(' : E' 9A' ? <@: ' ;:'<D?9 (C(<9 ' ! 9D' (;:' \ <(:B' S< FB9D' ;C ' 6 B: F9 :' 6@;' C?<B' :(<@(<9 ' (;C(' (;:' (CB:' DCE' =:' C<B' (9' ;C :' C?? 9C@;:B' @9D? :(:' :U(< @(<9

;:' V6C (<(E'C B' C 6:' 9!' (;:' <D?9 (C(<9 ' 6 B: ' (;< ';:CB' < ' &OPO'P&' A: :' @9 <B: C= E' =: 9A' (;:' K99 : ' <:9:'399((' C : CF:' 9!' (;:' !< :' ? :@:B< F' E:C ' (9@> ' C '&TA'C B'C' :'C (<9 ' :('< ' : 6 (< F'< 'C' C F: '(CB:' =:< F' B9 :' (;C ' B6 < F' &OOP'PO' ' DC ' B:@ :C :' AC ' < B<@C(:B' < ' &OP&'PW'@C6 :B' =E' (;:' <D?9 (C(<9 ' ! 9D' 3: DC E'C B' 6 (<C' 9!' C'@;:C?: ' C (<@ :' C :B'!: ('A;<@;'! 9D'<('@;:C? : '!96 B'C' :CBE' DC >:(' K<(;' (;:' < F :' :U@:?(<9 '9!' (;:' \ <(:B' S< FB9D' (;:'<D[?9 (' ! 9D' C ' (;:'9(;: '@96 (<: ' A: :' 6 B: 'C : CF:'< '&OP&'PW' =6(' (;:'(CB:' AC '@9 <B: C= E'C6FD: (:B'B6 < F'(;:'(A9'!9 9A< F'E:C ' D<F;(' ;C :' =:: ' :U?:@(:B' ! 9D' (;:'@9< @<B: @:' 9!' C ' C@@6D6[C(<9 ' 9!' (9@> ' < ' (;:' DC >:('C B' (;:' <D?9 <(<9 ' 9!'<D?9 ('B6(E' (;: :' AC 'C' 6= (C (<C(:B' B:@< :' < '(;:' <D?9 (' 9!' A99 : ' F99B ' < ' &OP,'P#' A< F' (9'C '6 ? :@:B: (:B' B:DC B' ! 9D' D: <@C' (;:' E:C ' AC ' C' D9 (' ? 9 ?: 96 ' 9 :' !9 ' F< ;' DC 6!C@(6 : ' (6(' ? <@: '< ' 6 9?:' C(' !< (' :DC< :B' 9A ' C B' ;<??D: (' ! 9D' 3: DC E' C B' N C @C' B:@ < :B' < ' =9(;' : ?:@(' 6 (<C' ;C ' 9!' C(:' E:C ' 6@@: !6 E' @9D?:(:B' A<(;' 3: DC E' < ' (;:' (CB:' < ' ;C : ' 6(B6 < F' (;:' C ('E:C '(;: :' AC 'C ' C (9 < ;< F' B:@ :C :' 9!' #0' ?: ' @: (' C((<[=6(C= :' (9' (;:' C F:' (9@> ' :U? C< :B' C ('E:C ' =E' (;:'C= : @:' =9(;' 9!' B:C : 'C B' =6E: '< ' (;:' : < F' :C 9 ' !9 9A:B' =E' <D< C ' @9 B<(<9 'B6 < F' (;:' :@9 B' ? CF6:' :?<B:D<@

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9((9 ' <:@:'399B ' (:D?9 C E' < :' < ' (;:' :U@;C F:' C 6: 9!' (;: :' 6?:: ' A: :' !9 9A:B' =E' C' 6 ;' 9!' (;: :' F99B ' C ' A: ' C ' 9!' @9((9 'EC '<D?9 (: ' B: < < F' (9' @9D?: C(:' (;:D : : ' !9 ' (;:' C@> : ' 9!' (;:' (CB:' 9!' (;:' ? :@:B< F'E:C ' C B' (9' (C>:' CB C (CF:' 9!' (;:' ;<F;: ' C 6:' 9!' (;:' 6?::' (' < ' 7 9=C= :' (;C(' (;< ' F :C(' ?:@6 C(< :' (CB:'< ' &OP*'P,' K96 B' ;C :' =: : ' !9 9A:B' C '< '9 B< C < E' (;:' @C : ' =E' C' ?C6 :' < ' &OP,'P#' =6(' C' : :A:B' < @: (< :' (9' ?:96 C(<9 ' AC 'F< : ' =E' (;:' ? 9 9 F:B' B< @6 <9 ' 9!' (;:' ? 9? <:(E' 9!'< 9 6B<6F' @9((9 'F99B '< ' (;:'<D?9 (' (C <!! Z'C' B< @6 <9 ' A;<@;' AC '!9 9A:B' =E (;:' > 9A :BF:

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&OO%'' OO' g' P, T* ,0*' &OP&'PW ' OP &, W&O' &OP#'PT' ' & &T ,P %O#
9888% 8;' 9!9' I :!95D' 98; '%;D' 9!'9 IA!;56' 98;5%;6 ' 9!' '!'5!II :
&OOP'' P0 & OP PO O&P' &OP*'P,'' & 0# #, OWO' &OP%'PO' ' & 0& 00 &*O

(' C ' (; :' B<C ' ?9 (' (=:' <D?9 (C(<9 ' 9!' DC@;< : E' C B' D< 'A9 >' A: :' : E' C F:' < ' &OPT'P%' (; :' B:DC B' 9 ' C@@96 (' 9!' @9((9 ' (:' C B' 9(; : ' D< ' (:C' C B' 99!< : :' : (C(: ' !C@(9 <: ' A9 > ;9? ' C B' !96 B <: ' =:< F' C F: ' A ; :(; : ' !9 ' CBB<(<9 ' 9 ' !9 ' :?C< ' C B' : :AC ' ; :' <D?9 (C(<9 ' 9!' C< ACE' DC(: <C ' A: :' 9 ' C' ;<F ;' : : ' (; :' ;<?D: (' (9 ' 39 : D: (' =:< F' 6 6 6C E' C F:' 9A< F' (9' (; :' : E' F: : 96 ' C< ACE' ? 9F CDD :' 9A' =:< F' ?6 6:B' C B' (; :' <D?9 (' 9 ' C@@96 (' 9!' C< ACE' @9D?C <: ' =: F' 9' : ' (; C ' P#' ?: ' @: (' < ' :U@: ' 9!' (; :' C : CF:' 9!' (; :' ? :@:B< F' !< :' E:C ' \ <(:B' S< FB9D' (< ' ;9 B ' (=:' D9 9?9 E ' C B' (; :' B: CE ' < ' B: <[: <: ' 9@@C <9 :B' =E' (; :' F< : :)' (<>: ' C@@96 (' !9 ' (; :' 9A' !<F6 : ' 9!' (; :' C (' E:C

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N9 ' :C@;' 9!' (; :' @ C ' B9 ' A ;<@;' (; :' <(: D ' A: :' F 96?:B' < ' (; :' (CB:' :(6 ' (; :' C 6: ' 9!' (; :' (CB:' < ' (; :' (A9' E:C ' &OPT'P%' C B &OP%'' PO' A: :' C ' !9 9A "Z

"&& &OPT'P% &O %'P @ :C : :@ :C :

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1 :(C ' C B' 1 C 6!C@(6 : ' 9! Z
Z' 2 C BAC :' C B' 6(: E' T P# &T& T *P < TT &W&
Z 1 :(C ' &, &O #OO && %* T, * W , , OT#
Z 1 6 9 ;< : E' C B' 1 < A9 >' %% W,O %* *W* 1 * PW##
Z C< A CE' ? C ('C B' 9 '
< F' (9@> ,0 &%# * TT' #OO * WT *W#
; : D <@C ' OW P,P OT O%O * %MP
6F ' 1 :B<@< : ' b' C @9(<@ W O* PO* * TW P%* %P PO&
E :< F' C B' C < F' 1 C(: <C W PW W&& W %T &O* Y H&# OOO
< ' * &O %%P W *# P,& OW O*O
CA' 1 C(: <C ' C B' \ DC 6' WT OO %*O WW W* %## , T, PO*
!C@(6 :B' (<@ :
(<@ : ' 1 C 6!C@(6 :B' C B' ?C (E'
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Z CD 'C B' :U(< :'NC= <@ & #0 TP %OT & ,& W& O,& ! · P ,O %,#
' Z ??C : &O T# %TW P &* TP, & #W OTO
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' Z 2 C BAC :'C B' 6(: E' & *O O&* & O% 005 *& 00 ,
' 1 : (C # #T O&W * T& PWO % P, PWW
Z 1 C@;< : E'C9B' 1 < A9 > W*& W *&
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E:< 'C B' C < '' 1 C(: <C #& , , &*% ,W P% P2O O &T &TP
< ' p , %* TW& , &O , 99 ## &*O
CA' 1 C(: <C ' C B' \ DC 6'
!C@(9 :B' (<@ : &# ** OO &&O &W *O W# &%* * O* TW P,#
(<@ : ' 1 C 6!C@(6 :B' C B' ?C (E'
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Z C 'C B' : U(< :'NC= <@ % ,& PO %*% T %O OW *O ' %& &T *#&
Z ??C : ' &O' . % &&T O , 9FW ' ' & OO #*&
Z (; : ' (<@ : & OO OO W*& & OO &W #O& ,# T $*
9(C ' ' *O O* T& &&# W , TO OW PWP T *, %O &OT

7R? 1' ?' E . ' 4 - . &

; :' EC 6 :'9!' F99B ' :':U?9 (:B' B6 < F' (; :' C (' (: ' E:C ' AC ' C ' !9 9A "Z

* T0 OO T&& &OP*' P,' * ,% P # W%T'
&O P'P0 ' * #& &O W*P &OP&'P#' , &* O& #&&'
5FP0'$5& ' * &% #P %0& &OP#'PT' * %% WP #WO'
&O &'PW ' * #* *O &O* &OP: '/ % * &W T& %W%
&OOW'P*' * T& TP #O# &OP%'PO' W %T PT O#O

C (' E:C ' (; 6 ' ;9A:B' C' !6 (; : ' !C ' 9!' &&' ?: ' @: (' 9 ' (; :' 6 " ? :@:B: (:B E' 9A' !<F6 : ' 9!' &OPT'P% ' (; :' B:@ :C :' < ' (; :' (A9' E: < C' =:< F' 9' : ' (; C ' WT' ?: ' @: (' 9 ' &OP#'PT ' ; :' D9 (' 9(<@:C= :' < @ :C : ' A : :' (; 9 :' CFC< (' 9@! : : ' @9((9 ' EC ' B 6F ' F C< ' C < ' ?9< : ' ? 9 < <9 ' C B' C< ACE' < C(: <C ' !' (; :' 9((9 ' EC ' (; :' C F: (' C B' C ' < @ :C < F' <D ?9 (: ' AC ' : <C ' A ; <@; ' C= 9 =:B' &&". ' 9C(' 9!' (; :' &T <' C>; ' 6F ' C B' C<@9(<9 ' :(C< :B' (9' (; :' 9 DC ' ; :' :U?9 (' 9!' B<C ' <@:' !: ' 9!! '=E' T *P% (9 ' ; :' (9(C ' !<F6 : ' : D=9BE< F' C ' < @ :C :' ! 9D' *&%' (9' , &P*' (9: ' < ' :':U?9 (' 9!' !9 :<F ' <@: ' A ; <@; ' AC ' C((C@(:B' ; : :' 6 (<' ? <@: ' @9 C? :B

; :' < @ :C :' CFC< (' ? 9 < <9 ' 99 < :B' @; <:! E' 9!' !< ; DCA ' C B' ; C >' !< ' A ; <@; ' C :' @C <:B' ! 9D' (; :' 1 : ; C ' 9C (' (9' SC C@; <' 9 ' 9D=CE ' C@:9 B< F' (9' (; :' AC(: ' R6' A ; <@; ' (; :' !< ; ' ; C??: ' (9' =:' D9 (' ? : C : (' B6 < F' (; :' :C 9

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=:' SC< ACE' DC(: <C<' AC ' C '!9 ' 4C Q<=C '9!' (; :' B:@ :C : ' (;9 :' 9!' C C< C(' @9((9 ' DC !C:(C : '<. 9 E' D:(C ' <>' 6FC ' (:C' C B' A99 ' A: :' (; :' D9 (' 9(<@:C= :

; :' :H:U?9 (' (9' (; <' @96 (E' 9!' C ' @ C : '9!' ?<:@:'F99B ' ; C ' =:: ' (:CB< E' !C < F' !9 ' E:C '9A< F' (9' (=:' B:%:>$?D: (' 9!' B< :@(' (CB:' A<(;' 6 9?:

7 K$, &' $' . -.' 4 - . 7

; :' !<F6 : '9!' (; :' !< C @<C ' E:C ' +&OP%'POR' ;9A:B' C' B:@ :C :'9!'

& &TO #WP' @A (' +**& #%P' =C : R' 9 ' *O'

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:U?9 (' ; C < F' (C>: ' ? C@:' C!(: ' (; :' : B' 9!' 1C @; ' (; : :' T'F9 : ' B9' 9(' :!<:@(' (; :' !C@('9!' (; :' :C 9 ' 9' (; C(' (; :' B:(C< ' !9 ' (; :' (A9' :C 9 '56 E' &OPT' (9' 56 :' &OP%' C B' 56 E' &OP%' (9' 56 :' &OPO ' DCE' =:' < (: : (< F' " Z

	&OPT'P%		&OP%'OO	
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'#6)O' S< FB9D'	&T% PTO	** P, T,O'	O# P*%	&W %# P*,
6 (' <C' 26 FC E'	,#O T&W	& &* *O TWW	*,% *P&	%# &P *O*
: F<6D'	,OT ,".T	PP OO PPW	W#O PW%	#& P, %*&
N C @:' '	WOO TOO	%,' #, &O&	&OW OO&	,O , , * , *
3: DC E	*OO .O<	PO OO ,O ,'	WO* *##	TW #% T&&
\ E'	#OW W%W	& W& OO OT&	1%'	P# && O&P
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;<' Cr 29 F>9 F'	T& O*W	&, #& POT	, , %WO&	&O W, OP*
:C(E' 9 (' '	/	&T OW W ,'	,# ##OT<	&O W# ,#,
5C?C '	& &TO W*%	W %T WP PW*'	& &O* OTT	W %T *, , ,
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1: ' E9 'C B' 9.)' : <:A'9!'(; :' B<C ' 9((9 ' 9?9!'&OP%'PO' (C(: '

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:B 9:' !::<' C(: '= =' 9 :' 9!' (;:' ? < @<?C' !:C(6 : ' @ ' (;:' :C 9 ' C??:C :B' (9' ;C :' =:: '(< :' ?: (< C@< ' ACE' < ' A ;<@;' 6:;' C F:' :=99> ' =C8' =:: ' ;: B' C(9 C=C' 9(A<(; (C B< F' C' =C >' C(:' 9^' &P' (9' &*' ?: '@: (' F: : C' 9D? C< ('C ' 9 9B' 9!' (<F;(' D9 :E' : B' B9 ' C@@9 (:' ! 9D' 9?:C ' DC >:(' ;:' :9 @ <9 ' (9' =:' B CA ' AC ' (;C(' A ;<:' (;:' 9D=CE' B:C : ' A: :' :!6 < F' (9' ?C (' A<(;' (;F<' @9((9 ' !9 ' ;<?D: ('(9' 6 9?:' C(' A ;C(' (;:E' 9' B96=(' @9 <B: :B' 9A' ? <@: '(;:' @9 (< : (C' ?< D$ ' A: :' : <B: (E' CE< F' < ' (9@> ' 9!' D: <@C ' @9((9 ' C(' ? <@: ' : C(< : E' D 9;' @;:C?: ' (;C ' A ;C(' (;:E' A: :' C >:B' (9' ?CE' !9 ' C(' ;:' !C < F' 9!!' < ' (;:' B:DC B' ! 9D' (;:' @9 (< : (' =CB' C(6 C E' @C6 :B' C' B:@ :C :' < ' :U?9 (' C B' (;96F;' C=96(' &W0 OOO' =C : ' D9 :' @9' (9 ' A ' C C< C= :' !9 ' :U?9 (" (;<:' :C 9 '(;C ' C ('(;:' :U?9 ('(9' 6 9?:' =CB' !C : ' &OO (a₹0' ;C !' C' B6 < F' (;:' ?C ('(A: :' D9 (; ' 5C?C ' ;CB' ;9A: : ' < 9 :C⇂:B' ;('(C>< F 'C B' ? : : (:B' (;:' =C C @:' ;: B' 9 : 'C('(;:' 6B' 9!' (;:' :C 9 ' ! 9D' =:< F' (;:' C F: ('9 ' :@9 B ¥

;:' ;:C E' B:@ < :' < '(;:' (CB:' < ' &OP*'P,' AC ' B(<:' !< (E' (9' (CB:' 9((9 ' A< ('C B' CD' << C ' ;C < F' =:: ' C F: E' 9 : [B9 :' C B' :@9 B E' (9' (;:' B<: 9:C((9 ' 9!' (;:' :U@;C F:' =:(A: : ' B<C' C B' ;< C' @C6 :B' =E' (;:' @ 9 6 :' 9!' (;:' 1< (' C < F' (;:' :@9 B' ;C !' 9!' &OPW' C B' (;:' :C E' D9 (;' 9!' &OP*' (;:' :U?9 ('(9' ;< C' ;CB' =:: ' :U@: < :' (;:' 6?? <: ' 9 ' (;C(' DC >:('!9 B' 9' :CBE' C : ' C B' ? <@: ' A: :' B 9??< F' ! 9D' A: :>' (9' A: :>' 6 < : ' =:@CD :' 9' 6 ? 9!<(C= :' (;C(' <(' AC ' CF ::B' C!(: ' ? 9 9 F:B' B<C@6 <9 ' C=96(' (;:' : B' 9!' ? <' &OP*' (;C(' (;:' D< ' ;96 B' A9 >' !9 ' 9 E' (; ::' BCE ' < ' (;:' A: :>' ;< ' AC ' (< ' (;:' ?9 <(<9 ' A;: ' (;:' 1< ('A: :' @ 9 :B' (;:' 6BB: : ' 9!' (;C(' : : (' CFF C C(< F' (;:' (96= :' 9!' (;:' 1< 9A : ' 3 CB6C E' ;9A: : ' =:((: :B' @9 B<(<9 ' ? : : (:B' (;:D : : 'C B' C ':C E' C ' (;:' !< (' D9 (;' 9!' &OP, '(;:' 1< 'A: :' A 9<>< F' (:CB< E' C B' ? 9!<(C= E' ;< ' @9 B<(<9 '9!' C!!C< ' ;C ' < @:' @9 (< 6:B' 9(A<(; (C B< F' (;:' ;< 9" 5C?C : ' AC ' 9!' &OP, 'P#' C B' B6 < F' &OPT' P%' (;:' (CB:' AC ' (;:' C F: (' 9 ' :@9 B' CFF :FC(< F' < ' C 6:(9' :C E' T,P' C>; ' H ;< :' (;:' B:DC B' ! 9D' ;<< C' < ' 9A' : E' C F:' (;:' :U?9 ('(9' 5₹?C ' C :' : E' < <F <!<@C (' C B' (;C(' @96 (E' ;C ' : (: :B' < (9' @9D ?:(<(<9 ' A<(;' B<C' < ' 6?? E< F' (;:' ;< : :' DC >:(' ;:' ! 96 < ;< F' @9 B<(<9 ' 9!' (;:' B<C ' ?< < F' C B' A:C < F' D< ' B6 (<: ' < ' < B<@C(:B' =E' (;:' 99 (9<<9 ' 9 ' ? 9 :@(<9 ' 9!' :A' D< ' C B' =E' (;:' CBB<(<9 ' DCB:' (9' (;:' D=: ' 9!' ?< B : ' C B' 99D ' < ' :U< (< F' D< ' B6 < F' (;:' E:C ' 6 B: ' :?9 (' ;:' 9?: < F' 6?' 9!' ;< C' ? : : ('C B' ? 9 ?:@(< : ' A< ' B96=(: ' :CB' (9' C' (< ' D9 :' C@(< : B:DC B' ! 9D' (;C(' @96 (E' !9 ' : C' E:C ' (9' @9D : ' =6('(;:' ! ('< ' (;:' ?: :' C 6:' 9!' (;:' B9 C ' 5C?C : :' @9D ?:(<(<9 ' C B' (;:

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; :' (CB:' < ' A 9 : ' !C= <@ ' 6!!: :B' < ' &OP*' P, ' :<(; : ' 9' ; : C < E'

9((9 ' <:@:' 99B E:C ' CC' (=:' (CB:' D' ?C ' EC ' C B' (; :' :@9 : E' ; C ' =:: ' D9 :' @9D< : (: ' (; :' (CB:' 9!' &OP,'P# =:< F' C= 9 6(: E' C B' : C(< : E' : E' C F: ' =:' (CB:' < ' A ; <(:' += : C@; : BR' ?<:@: 'F99B ' < ' V6<(:' 6 <D?9 (C (' (=:' =6 >' 9!' =6?< : C' =:< F' < ' F :E' +6 = : C@; : BR' F99B ' ; : :' C :' F99B ' 9!' @9C :' (:U(6 :' C B' 9A' C :' =6(' @9 96 :B' F99B ' +B$' :B ' @9 96 :B ' 9 ' ? < (: BR' C :' (C>< F' C' C F:' ? C@:' < ' (; :' :U?9 (' (; :< ' @9 D ?(<9 ' < ' :E 9 ' C B' (; :' (C<(' =:< F' @9 <B: C= :' C B' < @ : C < F ' ; :' :U?9 (' 9!' ?<:@:" F99B ' (9' 5C?C ' ; C :' B: @ < :B' (9' C' <C((. <C ' B: F : : ' C' B: @ < :' A ; <@; ' AC ' < : <(C= :' < ' <: A ' 9!' (; :' : : FE' A<(; ' A ; <@; ' (; :' 5C?C : :' ; C :' =: : ' =6< B< F' C B' :U!: B< F' @9((9 ' D< ' !(' ' (; :' ?< < F' 9!' EC ' :V6< :B' 9(' 9 E' < ' 5C?C ' =6(' < ' (; :' :<F ; =96 < F' @96 (<: ' 9!' C (: ' <C ' 9A' 6?? <:B' ! 9D' (; :' D< '9!' 9D=CE' C B' C @C ; < : ' &OPT'0%' (; :' (9(C ' C 6 :' 9!' 9D=CE' .<?9 (' !: ' ! 9D' :C E' 0P' C>; ' 9!' 6?:: ' (9' %T^' C>; ' ;96F ;' (; :' 9@C' D< ' ; CB' C@@6D6 C(:B' C F:' (9@> ' C(' (=:' =:F< < F' 9!' (=:' E:C ' C B' 9D=CE' F99B ' A : :' < ' A :C>' B:DC B' < ' (; :' < C<$B' DC >: (' B6 < F' (=:' C((: ' ; C !' 9!' (; :' E:C ' (; :' B:@ :C :' < ' :U?9 (' ::D ' (9' ; C :' =:: ' < ' ?C (' B6:' (9' (; :' !)B69:B' 96((6 ' 9(' 9 E' AC ' A9 >' ?C (<C E' (9??:B' 9 ' C@@96 (' 9!' (; :' @C @<(E' ' ' ; C B ' =6(' A :C < F' KC ' C=C B9 :B' < ' :: : C ' D< '<6' !C 96 ' 9!' ?<6 D F' 9A< F' (9' (=:' D9 :

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< '< '(; :' (CB:' A<(;' ;< C ' ; ' :' B<C ' @ 9(; ' 9D?:(:' <(;' =9(;'
F< ;' C B' 5C?C : :' F99B ' C B' @ ' DC !C@(C : ' ; :' :U?9 ('
(9' 4C Q<=C ' 9 ' (; :' 9(; : ' ;C B' ;9AL' B' C' C(<!E< F' < @ :C : ' A ;< :'
(; 9 :' (9' B: ' :(6 :B' CFC< ' (9' (; :' : ' C(' A ;<@;' (; : E' (99B'
=:!9 :' (; :' CBB: ' < ! C(<9 ' < ' &*P,'PO' K :C < F' < ' @9 @: (C(:B'
< ' 9D=CE' (9' C' (< ' F :C(: ' :U(: (' (; C ' ?< < F' (; :' ? 9B6@:'
9!' (; < ' 9 < @:' =:< F' O&' ?: ' @: (' 9!' (; :' A ; 9 : ' \CB@C ' C B' (; :'
: (C ' 9 < @: ' :C@; ' DC C!C9(:' C=96(' T' ?: ' @: (' 9!' (; :' (9(C '
9 :V6: (' 6?9 ' (; :' :U9B6 ' 9!' ;C B ' < ' &OPT'P% (; :' ? 9B6@(<9 ' < '
(; :' 9D=CE' D< ' !: ' ! 9D' C ' C : CF:' 9!' C=96(' &O' D< <9 ' = '
< ' :C@; ' 9!' (; :' !< (' (; : 'V CL(: ' (9' &W T' D< <9 ' = ' < ' (; :' C ('
N6 E' < :'(: (; ' 9!' (; :' F99B ' C :' F :E' 6 = :C@; :B' A :C < F' C B'
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A :C < F' @9 < (' 9!' (; :' !< : ' F99B ' C (' E :C ' +&OP%'POR' (; :' (9(C '
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' %T %&$,T,' (9' ' T& O# &W&' ; 9A< F' C' B :@ :C :' 9!' ' &, OT *, *'
9 ',P' ?: ' @: (' B: ' C B' 19QCD=<V6 :' C 9 :' ; 9A< F' 9(<@ :C= :'
<D ? 9 :D : (' ; :' (CB:' A<(;' ;< C' C B' =E < <C' C >' C??C : (E'
(9AC B ' :U(< @(<9 ' (; :' !9 D : '6 B: ' 5C? (: :' C B' 6 9?:C ' @9D "
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(C< C B' 6 :' ' SC C@;<' C' ?9 (' A<9 ;' ;C ' F :C(E
B: : 9?:B' < ' (; :' 9 (' ! :A' E :C ' (9' (; :'
B:(<D : (' 9!' 9D=CE ' ?C (' C (9F:(; : ' ! 9D' (; :' VC: <9 ' 9!' (; :'
:!!: @(' 9!' (; :' C(:' !CD< : ' <(' < ' C' D< (C>:' (9' ??9 C' (; C(' (; :'
A ; :C(' (CB:' 9!' B<C' =CC' =:: ' :U?C B< F' : 9 D96 E' < @:' <('
!< (' @9 D D : @: (' ;:' !C@(' < ' (; C(' A ; < :' (; :' (CB:' ; C ' =:: '
6= :@(' (9' F :C(' <@< <(6B: ' (; :' : ' 9!' &OO&'OW' A ; :9' (; :' :U?9 ('
DCE' =:' C<B' (9' ; C :' @9 D D : @:B ' ; C ' 9(' =:: ' :C@; :B' < '
D9 (' E :C ' C B' ; C ' < ' 9' E :C ' =:: ' D69; ' :U@: :B:B' A<(; ' (; :'
) F :' :U@:?(<9 ' 9!' &OP&'PW ' ; C(' E :C ' AC ' C ' : (< : E' C= 9 [
DC '9 : '9A< F' (9' (; :' !C< 6 :' 9!' (; :' S6 <C ' A ; :C(' C B' E :' @ 9? '
C B' (; :' :U(: D : E' =CB' ; C : (' < ' 9 (< : (' 6 9?: ' 9F : < :'
B:@ < :' < ' (; :' :U?9 ('< ' @9 :V6: @:' 9!' (; :' ?99 ' C : CF:' ; C : (' < '
?C (' 9!' B<C ' C< < F' ? <@: ' 9@C E' (9' C' ?9< (' (; C(' DCB:' ; <?D: ('
6 ? 9!<(C= : ' AC ' 9(<@:C= :' !9 ' (; :' :U(' (A9' E :C ' ; :' 6 6 6C E'
C=6 BC (' A ; :C(' ; C : (' 9!' (; :' \ <(:B' (C(: ' ; C :' : C= :B' D : <@C'
(9' ? : : (' 6@; ' ? : (:96 ' 6?? <: ' (9' (; :' A9 B' C ' (9' : B' ? <@: '
B9A ' I ' (9' A ; C(' D<F ; (' = :' (; 96F; (' (; :' 9A: (' ?9 <= :' : : ' <!' 9 :'
B<B' 9(' @9 (C (E' : :' (; C(' (; : :' A : :' (< ' 9A: ' B:?(; ' 9!' ? <@: ' C('
A ; <@; ' (; :' A ; :C(' A 96 B' =:' F 9A ' C B' 9 B Y' ; :' F: (< :' :?6= "
<:' C 9' =:@CD :' C' : <96 ' 99D?:(<(9 ' ' &OP#'PT ' ; 9A: : ' (; : :

' <? C 9!' :(<D < F' ? 9 ?: <(E' 9!' (;:' :U?9 (' A;:C(' (C</:' (;:' (9(C' B<C ' :U?9 (' 9!' (;:' E:C '=:< F' (: ' D< <9 ' :A(' C ' @9D?C :B' A<(;' 9B: ' ::: ' (< 9 '< ' (;:' ?' :@:B< F' (A: :' D9 (; ' ' *OPT'P%' ;9A: : ' C' F :C(: : :' @CD : ' ;:' =CB' ;C : (' +!' (;:' ? < F' 9!' &OPT' ;C < F' !9 9A:B' C' ?99 ';C : (' 9!' 9(;: ' F C< '< ' (;:' C (D ' 9!' &OP#' (;:' B:DC B' !9 ' A;:C(!9 ' < (: C' @9 6D?(<9 ' AC ' V6<@>: :B' C B' ? <@: ' C 9 :' C?<B E' C B' DC< (C< :B' C' : E' ;<F;' : :' BC < F' (;C(E:C '9?: C(< F' C 'C'@;:@>'9 ':U?9 (' B::B'? C@(<@C E' (;:' A;9 :' 9!' (;:' :U?9 (' (CB: Z (;C(' <' & O&.O+a$' 9A(' 9 (' 9!' (;: & P&0 000' @A(' :U?9 (:B'< ';C(E:C ' AC ' <D<(:B'(9'(;:' T (' <U D9 (; ' K<(;'C' !6 (;: ' C B' F :C(: ' !C< 6 :' 9!' (;:' C6(6D ' ;C : ('9!' &OPT'(;:' ? <@:' 9!' A;:C(9 :' (9' 6@;' C' ?9< ('C ' < (6C E' (9' ?6('C' (9?' (9' (;C' :U?' (' (CB:' !9 ' (;:' :DC< B: '9!' (;:' E:C ' ;:' ? <@:' 9!' A;:C(' < ' 9D=CE' C(' (;C(' (<D:' 9 :' ! 9D' ','&,'T'< ' :?(' &OPT' (9' '%HT'T' < '(;:' !9 9A< F' D9 (;' C B' (9' '%'&#'&' < ' :@:D=: ' (' !: ' (9' '#T' O' < ' 5C 6C E' 9A< F' C F: E' (9' (;:' :U9B6 ' 9!' (;:' ?9?6 C <9 ' < ' 9D=CE ' ;:' :U?9 (' (CB:'< ' <@:' < ' &OP#'P%' ;9A:B' C ' <9@ :C ' < ' C 6:' =6(' B:@ :C :'< 'V6C (<(E' (;:' !C < F' 9!' =:< F' D9 (' DC >:B' < ' (;:' ;<?D: (' (9' 4C Q<=C ' C B' C=<C' +1 6 >C(R' A;<:' (;:' :U?9 (' (9' C(C ' B: ' C B' : <C' ;9A:B' @9D?C C(< : E' C F:' < @ :C : ' C (' E:C ' (;:' @ 9? ' A: :' 9 ' (;:' A;9 :' F99B' : ?:@<C E' 9!' 9AC <' =C <' <@:' C B' A;:C(' K ;:C(' AC ' F99B' C B' (;:' V6C (<(E' :U?9 (:B' AC ' (;:' ;<F;: ('!9 ' (;:' I< :' E:C ' ;:' C 6:' ;9A:B' :U@:?(<9 C E' ;<F;' ? <@: ' ;C < F' C! : ' (;:' B< C??:C C @:' 9!' !CD< :' ;: B' ?' 6 B: ' (;:' < ! :@:' 9!' (;:' F :C(' D: <@C ' @9 :' C B' ?: ;C? ' C 9' 9!' (;:' AC ' '56 :' C' :C@(<9 ' :(' < ' C B' ? <@: ' @9 C? :B ' <@:' ;9A:B' C' B:@ :C :' 9 ' (;:' !< C @<C ' E:C ' ! 9D' ,%' C>; ' (9' ,0' C B' 9 ' (;:' E:C ' : B< F' *0(;' 56 :' C ' < @ :C :' ! 9D' ,W' (9' ,P' ;:' < :' < ' (;:' :U?9 (' 9!' 9AC <' C B' =C (<' AC ' C((<=6(C= :' (9' @C @<(E' < ' C=<C

;:' :U?9 ' (9' ;< C' CFC< ' ;9A:B' C' B:@ :C :' C (' E:C ' (;:' `' ' 6D=: ' 9!' @;: (' ;<??:B' !C< < F' ! 9D WW %*&' (9' &O WW*' :? : : (< F' C' B:[@ < :' < ' C 6:' ! 9D' ' * 0# ,& PP*' (9' 'W WO *T OT%' ;:' !C ' AC ' C <9@ E' C((<=6(:B' (9' +9R' 9D?:(<(<9 ' 9!' (;:' ;< : :' B 6F' ' K N' B6 (: C(<9 ' 9!' (;:' B<C ' B 6F' < ' ;< C' ' +@R' CB' :U@;C F:' < ' ;< C' C B' K N' ! 6@(6C(<9 ' 9!' :U@;C F: ' ;: :' AC ' C ' < @ :C :B' B:DC B' !9 ' (;:' : <C ' B 6F' < ' ;< C

\ B: ' (;< ' ;:CB' (;: :' ;CB' =:: ' <F;('< @ :C : '< 'V6C (<(E' C B' C 6:' 9 :' (;9 :' 9!' C (' E:C ' 3 96 BH' (' AC ' (;:' 9(<@:C= :' <(:D' 9!' B:@ :C C' =9(;' < 'V C (<(E' C B' < ' C 6:' 9A< F' (9' (;:' !C< 6 :' 9!' (;:' @ 9?' < ::B' (;:' D9 (' <D?9 (C (' <(:D ' AC 'F 9A ' (9' C' : (<@(:B' !. !'

(CB' B<B' 9(' :C@;' (<IC:' !<F6 : ' 9!' C E' 9!' (; :' (:C' E:C ' ? :@:B< F' !CD< : ' C (9 ' ;9A: : '<D? 9 :B' C=9 :' (; :' C : CF: ' C?:' C B' < '<D? 9 :B' (9' C ' D6@;' C ' &%' C B' &# ?: '@: (' : ?:@(< : E' C=9 :' (; :< ' C : CF: '!9 ' (; :' (: ' ? : <9 'E:C ' < 9 CB< F' (; C(' 9!' !CD< : ' ; :' B<C ' @ 9?' AC ' :U@: : (

; :' :U?9 ('9!' (:C' (9' : <C' A: :' (; :' ; :C <: ('<(: D ' C B' 99 << < F' (9' ;9A' C' ; :C E' B:@ < :' (; :E' K: :' : ?9 <= :' !9 ' :B @< F' (; :' (9(C ' (9' (; :' (C BC B' 9!' <U' E:C 'CF9 ' FC< ('(; < ' DCE' =:' D: (<9 :B' (; :' < @ :C :' 9!' D ' C>; ' 9!' = ' < ' (; :' <D ?C (' ! 9D' :E 9 ' D9 (' 9!' A ;<@;' AC ' :' :U?9 (:B' (9' : <C' ; :' :(' AC ' C@@96 (:B' !9 ' =E' B< < <9 '9/' (; :' (CB:' ! 9D' ';C' 9D=CE'3 !' 96(:' (9' C 9 ((C' C B' C(96D ' C < (:B' =E' (; :' @9 (< 6:B' ? : C : @:' 9!' ? CF6:' ; : : ' ;< ' !C ' AC ' ?C (<C E' @9): C9(:B' =E' C' @9 (C E' B< < <9 ' ! 9D' C @6((C' (9' 9D=CE ' 9!' ?C ('9!' (; :' :U?9 (' 9!' SC F C' C :E' (:C' !9 ' (; :' <(@B' S< FB9D ' < @:' &OO,' (; :' <D ?9 ('9!' B<C ' (:C' < ' F C B' =C :' D9 :' (; C ' B96= :B' ' (; :' <D ?9 (' 9!' :E 9 ' (:C' ;C :' :C@; :B' :C E' P# D< <9 ' ?96 B ' C B' (; :' ;<? D: (' ! 9D' ;< C' ;C :' F9 :' B9A ' % ' ?: '@: (

3 ' \ ' N' a '

U?9 (' 9!' !9 :<F ' D: @;C B< :' A: :' C 6:B' C(' ' W %T PT O#O' CFC< (' '* &W T& %W%' < ' &OPT'P%' ;9A< F' C'!C < F'9!!' 9!' 'O# T# TTP' 9 '&&' ?: '@: (' : : C '9C C: ' @9 (<=6(:B' (9' (; < ' B:@ :C : ' CD9 F' (; :' D9 (' <D ?9 (C (' =:< F' (; :' @9 (< DC @:' 9!' ? CF6: ' A ;<@;' 9(' 9 E' B) 9@C(:B' 9@C ' = C< : ' =6(' B< : (:B' (CB:' (9' 9(; : ' 96(: ' ; :' C 6:' 9!' B<C ' D: @;C B< :' :U?9 (:B' CD96 (:B' (9' 'W, TO OW PWP' CFC< (' C' *0 O* T& &&#' < ' &O<<T'P%' ;9A< F' C' B:@ < :' 9!' S '# *, %O &OT

; :' CFF :FC(:' (CB:' 9!' (; :' 9 (' 9!' 9D=CE' A<(; ' : : C ' B< <[<9 '9!' (; :' A9 B' AC ' C 6:B' C (' E:C ' C(' C' #W OT *0 T&O' CFC< (' T0 O& %* T%#' < ' &OPT'P%' ;9A< F' C' !C < F' 9!!' 9!' &*' ?: ' @: (' !9 9A[< F' ?99' C' B:@ < :' 9!' P' ?: '@: ('< ' (; :' ?: @:B< F' E:C

< @:' (; :' 9?: < F' 9!' (; :' 6:0' C C '< '&OTP ' C' @9D ? :(:' : 9 6(<9 ' ; C ' =: : ' :!!:@(:B' < ' (; :' ;<??< F' (CB: ((CB:' + '(; :' 6: ' C C ' =:(A : : ' 9D=CE' C B' 6 9?: ' N9 D: [E' (; :' =6 > 9!' (; :' (CB:' AC '@9 :E:B' < ' ;<? ' 96 B' (; :' 3C?: ' 9A' (; :' C F: ' ? 9?9 (<9 ' 9!' <('< ' @C <:B' =E' (:CD: ' (; 96F; ' (; :' C C

; :' !<F6 : 'F< : '=: 9A' ;9A' (; :' 6D=: 'C B' (9 CF:' 9!' E: :< ' : FCF:B' < ' (; :' B<C ' (CB:' A<(; ' !9 :<F ' @96 (<: ' CB9?(< F' (; :

AW ( ) ' 3\ ' ' (

6:Q' C C ' 96(: ' A ; <9 <' : (: :B' C B' @ :C :B' ! 9D ' C B' (9' N9 :<!! '
96 (<: ' C(' N9 (' < ' (; :' : <B: @E' f' 9D=CE ' C B' C(' <(' @ ; <: !'
9 (' ! 9D' &OOO'OP' (9' &OP%'PO

U - &	7 2 K &'+ '1G Y' C" - - . - &' + ' C - K - ! 6 Q' C - . - "!	(G' C "& - . - C &' + ' <! Q' C - . - "	&'
	9 @. 9 9 9 9 H		

&O*O' P'	,W,	% O% O&&	*O#	% *& T%W	O0P &# &P #&O
&OOP'PO'	O*O	T O# *P,	*&W	T *W %PP	T&O &* &O &P*
&OPO'P&'	OP*	% OP %W&	*O&	T 0, &O&	TP& &* P, &WW
*OP&'PW	#OW	P %& #OW	, ,W	O TO , *%	&O //P P*P
98; ' ;39	*OW	% P* ,%&	*&T	% &, TTO	%WO &# &* &*&
OP'P&	**P	% ,% &&*	*WP	% &T #, *	TTO &, T* %OO
&OP&'PP'	&&O	P WO PT%	W&W	# T* **W	TTO &, PW WPP
&OP#'PT'	*##	O OW %%O	W,O	# %O T&W	#P# &* %* *OW
&OPO'P%	W%,	T ,* W&T	WOT	, P# P#	,OO && *P W&&
&OP%'PO'	W*&	# %* ,#T	&TO	, &W #*,	,OW P O# PPO

' &OPW'P*' (=:' :U?9 (' @9 <B: C= E' :U@: : B : B' (; :' <D?9 (' C'
@< @6D (C @ :' !9 ' A ; <@=' (; : :' AC ' 9 E'
2 :' CB :'< ' :C 6 : ' ? :@ : B: (' < ' (; :' !CD< : 'E : C ' 9 !
&O%O'%P ' A ; : ' (; :' ?:9? :' ?C (: B' A<(;' (; :< ' F9 B' (9' : <: :' (=:< '
B< (: ' 9' <D< C ' (: C 9 ' :U< (: B' < ' &OPW'P*' A ; : ' (; :' F9 B' AC '
: Q@=C<<F : B' !9 ' < : ' < 9? E' C ' C' ? 9!<(C= :' D : @C (< :' (C C@(<9 '
< ' <: A' 9!' (; :' !C ' < ' (; :' F9 B' C 9 :' 9!' < : ' =:' CD :' :C 9 ' :U< (: B'
< ' &OP*'P, ' =6(' (; :' =6 < : ' AC ' 9(' @C <: B' V6<(:' 9' !C 'C B' (; :'
<D?9 (' :U@: : . :B' (; :' :U?9 (' (; 96F ; ' (; :' :U@: ' AC ' 9(' :C E' CC'
C F :' C ' <(' AC ' < ' !9 D : ' E C ' ; :' :U?9 (' 9!' F9 B' @9 (< :B' C@(< : E'
B6 < F' &OP, 'P#' C6B' AC '< B : : B' 9' C F :' C ' (9' !9 D ' C' @9D? : (:' : : [
C ' 9!' (; :' 9 B< C E' @96 :' 9!' (=:' (CB :' < ' (; < ' D : (C ' ; :' @C6 :'
9!' (; < ' AC ' (; (' (=:' F9 B' C 6 : 9!' (; :' 6?: : B : @ < : B' 9' ; :C < ' (; C('
(; :' < B6@ : D : (' (9' : ' F9 B' AC '< : < (<= : ' &OP#'PT' (; :' ?9 <(<9 '
AC ' : 'CB 6 (: B' (9' 9 B< C E' @9 B<(<9 ' (; : :' =: < F' C' @9 <B: C= :'
: (' <D ?9 (' 9!' (; :' D : (C ' ; :' C 6 : 9!' < : ' = 96F ; (' < (9' (; :'
@96 (E' AC ' 9D : A ; C(' C F : ' (; C ' < ' &OP, 'P#' =6(' (; :' C@(6C ' : ('
V6C (<(<: ' <D?9 (: B' AC ' <F ; (E' DC : ' (; :' C <C(<9 ' =: (A : : '
V6C (<(E' C B' C 6 :' =: < F ' 9!' @96 : ' B6 :' (9' (; :' < :' < ' ? <@: '
' !9 D : ' (<D : ' 9!' !CD< :' (; : : ' ; C '< C <C= E' =: : ' C' ! 9A' 9!' F9 B'
! 9D' (=:' @96 (E ' =6(' < ' (; < ' : ?: @(' &OPT'P% !C <!<: B' C ' @C @6 C[
(<9 ' =C : B' 9 ' ?C (' : U?: <: @: ' ; :' ! 9A' AC ' : : : B' C B' B<C'
C= 9 =: B' C D9 (' C ' D6@ ; ' F9 B' C ' 9 ' (; :' C : CF :' 9!' ? 9 ?: 96 ' E : C H'
; :' : U? C C(<9 ' 9!!: : B' =E' (; :' < : @(9 ' 3 : : C ' 9!' (C(<' $(@ ' < ' (; C('
(=:' F9 B ' (=: ' :('<D ?9 (' 9!' A ; <@; ' AC ' C 6 : B' C(' 9 : ' (A 9' C6B' C' V6C (: '
9 9 : ' AC ' L . VC< : B' !9 ' ?: @6 C(< :' ?6 ?9 : ' =E' B : C : ' C B' (; C('
!9 ' 69; ' ?6 ?9 : ' (; : :' AC ' 9' 6!!<@<: (' C C< C= :' (9@>' < ' (; ,

2 ' ' (! C &T#

DC >:(' R&BC < F'(;:'(; ::'E:C ' &OPW'P*' (9' &OP,'P#' (;:' @9 (E'
D6 (';C :'?C (:B'A<(;'C' C F:'?9 (<9 '9!'<(' !9C(< F' (9@>' ;:' :(
<D?9 ('9!' < : ' < ' &OPT'P%'# T<' C>; 'C(;96F;' 9(' 9' ;<F;'C' < '
? :@:B< F'E:C ' < @:'(;:'@' :'9!'(;:'D< ('AC' : E' C F:'<' <:A'
9!'(;:'A<B: ? :CB' C(C :'9!'(;:'!CD< :' ;: :'<' :C 9 ('9'=: <: :'
(;C('(;:' C :'C B'? :BF< F'9!'9 CD: ('AC '@C <:B' 9 ('9 'C' D 9;'
D9 :'D9B: C(:':@'B:'(;C '<' (;:' !CD< :'(A: (E' E:C ' CF9'A;<@;'
C!!:@(:B'C' :F<9 'A;: :' (;:' ;C=<('9!' A:C < F' < :'9 CD: ('<'
D9 :'F: : C'(;C '<'(;:' C F: ('?C ('9!'(;:' :F<9 ' C!!:@(:B' =E'(;:'
:@: ('!C< 6 :' '(;:'@ 9? ' ;:' ?:9? :'A;9' !: (' (;:' C(:' !CD< :'
9 :'@;<:!E'9!'(;:'9C: '9!' C B : ' C=99 : ' A;9' @C E' =6(' <((:'
< :'9 '(;:<'?: 9 'A;B:' =C ' : <B: ('C B' QCD< BC ' ;C :'
9('=:: ' : E' 'C B' ;<(' 'A: '> 9A '!:C(6 :'9!' B<C ' <!:' C(' C '
(<D: '<'(;:' :CB< : '9!'(;:'?:9? :'(9'?C ('A<(;' ?9(' C B' ?C ' 9!'
@9??: 'C B' = C ' K;: ' (<D: ' C :' =CB' = (<(C(<)'F' :C (;: AC :'
C B'(9'=6E'(;:D'A;: '(<D: 'C :'F99B' ;C('(;: :' ;C '=:: 'C' C F:'
C :'9!' 9=' C (<@ :'(9'B:C : 'BC < F'(;:' !CD< :' <' ;9D:' 9 (' c '
(;:' (C(< (<@ '9!'<D?9 ('9!' @9??: ' C (' E:C ' A;<@;') <=:' < : '
B:@< :B' : E' DC(: <C E' (' <' (;: :!9 :' :C 9 C= :'(9' C D:'
(;C(' C F:' 6?? <: ' 9!' (;:' !9 D: ' C(;: ' (;C ' (;:' C((: ' A: :'
(; 9A '9 '(;:'DC >:('!9D'< (: C' 9 9: ' ('<' (;:' 9?< <9 ' 9!'
(;:' < :@(9 '3: : C'9!' (C(< (<@ ' (;C(' C(' :C (' !96 '!<!(; ' 9!' (;:'
<D?9 ('9!' < : ' < @:'(;:'@ 9 < F'9!'(;:' 1< (';C :'=:: ' < (: B:B'
!9 ' (;:' DC !C9(:' 9!' C (AC :' C B'9 CD: (' ; B' (9' =:' ;: B'
=E' B:C : ' !9 ' ?:96 C(< :'?6 ?9 : 'C B'(;:' :DC< < F' ?9 (<9 ' ;C '
=:: 'DCB:'< (9'@9< '=E'(;:' C(< :' (C(: ' 9 ' :U?9 (:B' =:E9 B' (;:'
! 9 (<: ' ;:' :DC >C= :'< @ :C :'<'(;:' :U?9 (C(<9 ' 9!' F9 B'C B'
(;:' C F:':U@: ' 9(' <D?9 (' 9 : ' :U?9 (' C :' :U? C< C= :' =E'+;:'
;<F;: ' C(:'9!':U@;C F:'C B'(;:'@9 :V6: ('? :!: : @:'9!'(;:' C<< :'
=C >: '(9' ;9C B' 9 B' C(;: '(;C ' < : ' A;: '(;:' ? CF6:' : B: :B' '
CB C @: '6 C!: ' ;:' ! 6@(6C(<9 ' < '(;:' ? <@:' 9!' < : 'A: :' :[
DC >C= :

3 ' ' ' ' ' \

;:'<D?9 ('C B' :U?9 ('< (9'C B'! 9D' <(< ;' B<C' B6 < F'(;:'
C ('!96 (:: 'E:C 'A: :

U' U' U
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S]' C 9 (
&OO,'' O# ' , %%O &+aR' &OT WOO' , T%& POO
&OO#''OT ' * OP&' #OO' *WO TOO' W %TW POO
&OOT'' O%' ' W O ** T!RO' T#T #OO' W &%% &OO
&OO%'' OO ' O W*T &OO' W, *' TOO' W PPW #OO
&OOO'' OP ' * &&P &OO' *O# WOO' W O&* POO
&O*P'PO ' ' '# O%& OOO' ,## %OO' , T&# *OO

	Rx. Imports.	Rx. Exports.	Rx. Balance net. Imports.
Gold—			
1890-91.....	6,500,803	864,700	5,636,100
1891-92.....	4,118,900	1,705,100	2,413,800
1892-93.....	1,781,800	4,594,500	—2,812,700 (*net exports*)
*1893-94.....	3,146,500	2,505,300	641,200
1894-95.....	1,756,300	6,730,400	—4,974,100 (*net exports*)
1895 96.....	5,029,300	2,503,300	2,526,000
1896-97.....	4,491,200	2,200,100	2,291,100
1897-98.....	7,281,200	2,372,700	4,908,500
Silver—			
1884-85.....	9,110,000	1,864,400	7,245,600
1885-86.....	12,386,200	779,600	11,606,600
1886 87.....	8,219,700	1,064,000	7,155,700
1887 88.....	10,589,800	1,361,100	9,228,700
1888-89.....	10,725,900	1,479,200	9,246,700
1889-90.....	12,388,500	1,45 ,600	10,937,900
1890-91.....	15,433,600	1,258,500	14,175,100
1891-92.....	10,603,700	1,581,500	9,022,200
1892-93.....	15,228,000	2,364,400	12,863,600
1893-94.....	15,314,700	1,594,900	13,719,800
1894-95.....	7,824,900	1,495,100	6,329,200
1895-96.....	8,338,700	1,756,500	6,582,200
1896-97.....	8,593,400	2 737,400	5,856 000
1897-98.....	13,239,400	4,775,900	8,463,500

BALANCE OF TRADE.

The following statement shows excess of Exports or Imports including treasure as well as merchandise and Government transactions at the Port of Bombay for the years 1890-91 to 1897-98:—

Year.	Imports.	Exports.	Excess of Exports over Imports.	Excess of Imports over Exports.
	Rs.	Rs.	Rs.	Rs.
1890-91	45,75,26,010	39,61,88,403	.....	6,13,37,607
1891-92	37,48,42,657	43,53,53,693	6,05,11,036	.....
1892-93	40,62,18,965	46,62,81,332	6,00,66,067	.....
1893-94	45,69,13,501	42,36,77,317	.....	3,32,36,184
1894-95	37,61,40 409	41,61,66,840	4,00,26,433	.....
1895-96	40.06.61,884	41,53.25,541	1,46,63,657	.....
1896-97	37,95 62,6 5	37,66,03,992	.....	29.58 613
1897-98	41,77,51 581	33,27,68,907	.....	8,49,88,674

* The Mints were closed on June 23rd 1894.

Names of Wharves appointed for the landing and shipment of Goods and the Class of Goods for the Landing and Shipment of which they have respectively been appointed under Bombay Government Notifications.

Names of Wharves or landing-places.	For the landing of	And for the Shipping of
Pilot Bandar ..	Government Coals only.	Government Coals only.
Todd Bandar ..	Green Grass, Firewood, Hay, Sand, and Chunam.	*Nil.*
Sassoon Dock ..	From Foreign or Customs Ports:—Cotton, Wool, Coal, Military Stores and Baggage accompanying Troops. From Customs Ports:—Hemp, Jute, Sand, Chunam, Seed, and Grain.	Cotton, Wool, Hemp, Jute, Rags, Seeds, Military Stores and Baggage accompanying Troops.
Victoria Bandar.	From Foreign or Customs Ports:—Cotton, Wool, Coal. From Customs Ports:—Sand, Chunam, Stones, Firewood, Green Grass, Bricks, Tiles, Seeds, Fresh Fish.	Cotton, Wool, Hemp, Jute, Rags, Seeds, Grain, Myrabolams, Horns, Bardans.
Gun Carriage Bandar.	B. B. & C. I. Railway Materials, Government Stores, Timber and Coals for Gun Carriage Department and Harbour Defences, and Fresh Fish.	Coals, B. B. & C. I. Railway Materials, and Stores for the use of Harbour Defences.
Jamsetjee Bandar.	Cotton and Wool from Customs Ports, Coals, B. B. & C. I. Railway Stores and Materials, Fresh Fish.	Cotton, Wool, Hemp, Jute, Rags, Coals, and B. B. and C. I. Railway Materials and Stores.
Arthur Bandar.	From Foreign or Customs Ports:—Cotton and Wool. From Customs Ports:—All unrestricted goods by Country Craft, except Fish, salted, dry or fresh.	Cotton, Wool, Hemp, Jute, Rags, Seeds.
Govt. Coal Depot.	Government Coals and Coke only.	Government Coals and Coke only.
Apollo Bay Reclamation.	Cotton, Wool, Coals, Hay, Green Grass, Bricks, Tiles, Sand and Chunam.	Cotton, Wool, Bardans and Hoop Iron.

Names of Wharves or landing-places.	For the landing of	And for the Shipping of
Apollo Bandar.	Passengers' Baggage except from the English Mail Steamer, Mails, Parcel Post, Treasure and all Government property.	Government property and Treasure, Fresh Provisions, Sea Stock for use of ships' crews, Ice, Passengers' Baggage, Mails and Parcel Post.
Govt. Dockyard.	Government property only ..	Government property only.
Town Bandar.	Passengers' Baggage except from the English Mail Steamer, all dutiable and free goods from Foreign Ports except Iron of all kinds, Anchors, Cables, Chains, and Ballast Machinery, Acids, Explosives, Turpentine, Petroleum, Rosin, Pitch, Tar, Dammer, Bricks, Tiles, Coal, Cotton, Wool, Hemp, Jute, Matches, Chalk, Empty Casks, Dubbas, Timber of all description including Bamboos and Tattes, Fish (salted or dry), Fresh Fruit, Gunnies, Hides, Horns, Live Stock, Stones, Saji Khar, Grains, Seeds, and all combustibles.	Fresh Provisions, Passengers' Baggage, and all goods allowed on Import.
Arsenal Wharf.	Government Military Stores ..	Government Military Stores.
Ballard Pier.	Passengers from the Mail and other Steamers, and Passengers' Baggage	Passengers for the Mail and other Steamers and Passengers' Baggage.
Mody Bay Reclamation. South Warf.	Passengers' Baggage except from the English Mail Steamer, Chunam, Sand, Bricks, Tiles, Stones, Hay, Straw, Fresh Fruit, Poultry, Coals and Coke.	Fresh Provisions, Fruit, Coals, Passengers' Baggage, Live Stock and Sea Stock for ships' crews.
Mody Bay Reclamation. Bori Bandar.	Passengers' Baggage except from the English Mail Steamer, Green Grass, Chunam, Sand, Laddi Stones from Porbandar, Coals, Fresh Fruit, Vegetables, Hay, Straw, and Live Stock.	Fresh Provisions, Coals Passengers' Baggage, Live Stock and Sea Stock for ships' crews.
Mody Bay Reclamation. North Warf.	Free goods by Country Craft from Customs Ports, also Coal, Charcoal, Firewood, Bamboos, Porbandar Stone, Fresh Vegetables and Fruit; from Foreign Ports;—Fresh fish.	All free and unrestricted goods by Country Craft to Customs Ports only.

Names of Wharves or landing-places.	For the landing of	And for the Shipping of
Mody Bandar ... Mody Bandar Passenger Wharf.	All free and unrestricted goods from Customs Ports, Passengers' Baggage except from the English Mail Steamer. Tents and Camp Equipage, Treasure, Government Records and Stores, Borhas' and Pedlars' Packs when accompanied by owners, Horses, Carriages and Cattle, Ice, Provision and Household Stores of all kinds intended *bona fide*, not for sale, but for private use and consumption. Eggs, Fresh Fruit, other than Cocoanuts.	All free and unrestricted goods except Opium to Customs Ports. All articles permitted on Import.
Carnac Bandar.	All goods from Foreign Ports except Passengers' Baggage from the English Mail Steamers and by Steamers and square-rigged vessels from Customs Ports except Opium, Explosives, & Petroleum of any kind.	All goods allowed on Import.
Victoria Dock } Prince's Dock } Malet Bandar.	All goods except Explosive, Petroleum of any kind, and Coals.	All goods except Explosives, Petroleum, & Coals.
	Coals and all free and unrestricted goods except Fish, (dried or salted), by Country Craft from Customs Ports.	Coals and all free and unrestricted goods to Customs Ports by Country Craft.
Frere Basin Bandar.	Materials, Stores, and Coals for the G. I P. Railway Company.	Materials, Stores, and Coals for the G. I. P. Railway Company.
Clarke Basin.	Coals only.	Coals only.
Chammar Godi.	When free and for Port Trust purposes only, Boilers, Machinery, Spars, Timber, Coals, Sand and Chunam.	
B. I. S. N. Coy.'s Dockyard.	Materials, Stores, and Coals for the B. I. S. N. Company only.	Materials, Stores, and Coals for the B. I. S. N. Company only.
Mazagon Bandar.	Passengers' Baggage except from the English Mail Steamer, Live Stock, Fresh Fish, Fresh Fruit and Vegetables.	Fresh Provisions, Passengers' Baggage, Ships' Stores and Live Stock.
P. and O. S. N. Company's Dockyard.	Materials, Stores, and Coals for the P. and O. Company only.	Fresh Provisions, Materials, Store and Coals for the P. & O. Company, also Baggage for the Company's Steamers.

Names of Wharves or landing-places.	For the landing of	And for the Shipping of
Kasara Bandar.	Timber, log and square only ..	Timber, log and square only.
Powder Works Bandar.	Petroleum which is not dangerous as defined in Section 3, ( ) of the Petroleum Act, 1886, and all goods by Steamers and square-rigged vessels prohibited at Town Bandar, except Opium, Wines and Spirits, including Ale and Beer, Explosives, Salt Fish (dried, salted, or fresh), all free and unrestricted goods by Country Craft from Customs Ports except Fish.	All free and unrestricted goods permitted on Import, Cotton, Wool, Rags, Goats' Hair, Country Twist and Piece Goods, Laddi Stones, Hemp, Old Iron.
Tank Bandar Reclamation.	Coals, Coke, Timber, Rafters, Bamboos, Bamboo Blinds, Sand, Chunam, Bricks, Tiles, Fruit and Vegetables, Green Grass and Firewood.	Coals, Coke, Timber, Rafters, Bamboos, Bamboo Blinds, Sand, Chunam, Bricks, Tiles.
Tank Bandar ...	Timber only.	Timber only.
Frere Land Pier Co.'s Bandar.	Hay, Straw, Firewood, Coals, Coke, Chunam, Tiles, Stones, Bricks, Bones, Rafters, Sand, Hides, Horns, dangerous Petroleum as defined in Section 3, (2) of the Petroleum Act, 1886, and Pottery from Customs Ports.	Firewood, Coals, Coke, Bones, Timber, Hides, Horns, Flour, dangerous Petroleum as defined in Section 3, (2) of the Petroleum Act, 1886, Old Iron.
Ismail Habbib's Bandar.	Dangerous Petroleum as defined in Section 3, (2) of the Petroleum Act, 1886, Sand and Chunam.	Dangerous Petroleum as defined in Section 3, (2) of the Petroleum Act, 1886.
Kandli Battery..	Firewood, Hay, Straw, and Tattas from Customs Ports.	Firewood and Stone, Ballast only.
Port Trust and Powder Magazine, Sewree.	All Explosives except those coming under Class 2, Nitrate Mixture, Class 3, Nitro-Compound, and Class 5, Fulminate Class as described in the rule published under Section 5 of the Indian Explosives Act, No. IV of 1884.	All explosives except those coming under Class 2, Nitrate Mixture, Class 3, Nitro-Compound, and Class 5 Fulminate Class, as described in the rules published under Section 5, of the Indian Explosives Act, No. IV of 1884.

Names of Wharves or landing-places.	For the landing of	And for the Shipping of
Haji Esa Fudla's Bandar.	From Foreign and Customs Ports:—Fish (dried, salted, or fresh), Hides, Skins, raw or salted, and Coals. From Customs Ports :—Sand, Stones, Firewood, Pottery, Batty, Bricks, Tiles, Chunam and Tattas.	Bones, Firewood, Pottery, Stone, Ballast, Fish, (dried and salted.)
Sewree Bandar..	Firewood, Batty, Hay, Straw, Pottery, Tattas, and Fresh Fish.	*Nil.*
Govt. Powder Magazine.	Gunpowder	Gunpowder.
Antop Hill ..	All explosives	All explosives.
Sion Bandar ...	Batty, Firewood, Pottery, Tattas, Dry Fish and Fishing Stakes.	Dry Fish.
Mahim Bandar..	Passengers' Baggage except from the English Mail Steamer and all free and unrestricted goods by Native Craft from Customs Ports and Fresh Fish.	Passengers' Baggage, and all free and unrestricted goods by Native Craft to Customs Ports.
Warli Bandar ...	All free and unrestricted goods by Native Craft from Customs Ports and Fresh Fish.	All free & unrestricted goods by Native Craft to Customs Ports.
Chaupati Bandar.	Firewood, Tiles, Chunam, Fresh Fish, Stones, Cadjans, Bricks, Bamboos, Bamboo Baskets, Pottery, and Vegetable and Garden Sand by Native Craft from Customs Ports.	*Nil.*

Cotton Pressing.

The necessity of reducing so bulky an article as cotton into the narrowest compass before shipping it to Europe led to the introduction at an early date, (1694), of machinery for screwing the loose bales down into bales of smaller measurement. Improvements have been continually made in the cotton screw, till now the pressure applied is so enormous that fully three of the ordinary up-country "docras" of cotton can be screwed into one full-pressed bale of 392 lbs. Much of the pressing is now done in the cotton districts of the interior to

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? 9@: '< '?: !9 D:B'A<(;'C' (<@> ' < B' ? 9B6@: ' (;:'=: (' ?9((5'
9!' K: (: ' B<C' ;:'C ('AC '< (9B6@:B '9 'C('C ': : ('B: : 9 '
=E' (;:' 1 C;9D:BC ' A;9 :' @;<:! ' (;:' D:: ' FC :' <(' : .'
: @96 CF:D: (' 1 CF <!<@: (' (9D=' C B' D9 V6: ' 9A' < ' 6<(<'
(: (<!E'(9'(=:'' F :C('B:F ::' 9!':U@: : @:'(;:' ?9((: ' ;CL' C((C< :B.'
;:'C ('9!'F CQ< F'A;<@;'(;9 :'?9((: '?9 : :B';C '=:: '(C D<((:B'
B9A '(9'(;:'? : : ('BCE'=6('(;:'A@A>'C B'DC(: <C ';C :' 9 ('D6@;'
9!'(;:< '9 <F< C ':U@: : @:' @@:: !6 ':!!9 (' ;C '9!' C(:'E:C '=:: '
DCB:'C('(;:' 9D=CE' @;99'9!' ('(9'>::?'6?'C B' : < :' (;< ' C ('
A;<@ 'DCE' 9A'C!(: 'C ' :FC< '<('!9 D: '6 :!6 : 'C B'@: := <(E'
('(;:' @;99'9!' (' 9((: E'K9 > '@ CE'! 9D' C (C' 6Q'9 ' : :[
B: :' 2< '< ' 9D=CE';C '=:: '6 :B'C B'< '!96 B'(9'(C>:'C B'>::?'(;:'
F CQ:'=:((: ' (;C ' C E'>< B' 9!' @ CE' ? : <96 E' (<:B ' C B' A: '

B: <F :B' 9 CD: (C'! 9A: '?9(' C :' DCB:' 9!' <(' A ;<9 <' @9D DC B' 1F;' ? <@: <' ;:' K 9 > 'C :' A: ' A9 (;'C' < <(' 9D:' 9!' (;:' ? 9H B6@(<9 ' 9!' (;:' >99D=C 'C B' (6B: ('C (< ('=:< F' 9!' C' !< ('@ C ' 9 B:

39 B' C B' < : ' C :' A9 >:B' < (9' 9 CD: (' (; 96F;96(' (;:' g' ' ' : <B; @E' ;:' @6 (9D' 9!' 9CB< F (:9 9 C' 1 :(C 'H@' A9D: 'C B' @;<'B :' A<(;' (;:' F :C(: ?C ('9!';:<' A:C (;'? C@(< :B'=E'C ' @ C : 'C B' @C (: ' 9!' C(< : ' : 6 : ' : : EA;: :' (9' F9 B D<(;'C' 6@ C(< :' (CB: ' ;:' 6 6C' D:(;9B' CB9?(:B' <' (9'? C@:'< ' (;:' F9 B D<(;) ';C B ' (;:' D:(C'(9'=:' @9 : (:B'< (9'9 CD: (';:' F: : C E'@;C F< F' ! 9D' O' C C ' (9' 'W 9 '*'?: '(9 C'!9 ';< ' C=96 ' ;:'?99 : '@ C : 'A:C 'DC E'9DC" D:C(' DCB:' 9!'=C : 'D:(C ' < B' F9 B D<(;)'A9 >'<' : E'=:C6(<!6 ' =6('<' 9('F: : C E' D:('A<(;'96(' 9!' (;C('? 9 < @:' ;:' :D=9 :B' S6(@;'F9 B' C B' < : 'A9 >'<' D6@;' 96F;('C!(: ' '<('<' <@; E' B:@9 H' (:B 'C B'B9 :'=E';C B' ;:'!9 9A< F'< 'C 'C@@96 ('9!';:' ? 9@: ' 9!' :D=9 < F' !(: '(;:' D:(C 'A;<@;'<' =:C(: '96('< (9'C ;::(';CF' =:: ' @6('< (9'(;:' :V6< :B'!9 D ' 9!(' C@' <' 6 '< 'C 'C' =C@>< F' C B' (;:'< (: B:B' B: <F '(C@:B'=E' (;:'?9< (' 9!' C ' < (6D: (' 9 ' (;:' 6 !C@:'9!'(;:'9 CD: (' ;:' < : '(;6 'DC >:B'96('C :'(;: '!9 @:B' =E' = 9A '9!'C';CD D: ' =: 9A'(;:' : : ' 9!' (;:'F: : C ' 6 !C@:' ' C B' !< C E' (;:' ?C (' (C B< F' 96(' < ' <:!' C :' @;C :B' C B' ?9 < ;:B' S6(@;'A9 >: ';C :' : (C=< ;:B'(;: D : '< ' C <96 '?C ('9!' 3 6 :' M 5C(' (;:' :?6(C(<9 '!9 ' < : 'A9 >' A;<@;' ;D:BC=CB';C '!9 ' 9D:' (<D:' : 9E:B'=:< F'B6:': (< : E'(9'(;:'? : : @:'< '(;C('@<(E'9!'C'@9 9 E' 9!' S6(@;' < : D<(; ' (9 F' C B' DC < :' C (<@ : ' 9!' F9 B' C B' < : 'C :' DC 6!C@(6 :B'< 'SC(;<CAC ' ' (;:' @<(E' C B' :<F;=96 [;99B' 9!' 9D=CE' (;: :' C :' 9D:', ,00'F9 B D<(; 'A;9'!< B' @9 (C (C B' 6@ C(< :' 9@@6?C(<9

'&TT%' (;:' F < ;':U:D?(:B'?:C 'B<CD9 B ' C B' 9(;:'?:H' g' ' @<9 ' (9 : '! 9D' ?CED: (' 9!' <D?9 (B6(<: 'C B' : @96 CF:B' B<CD9 B' D: ' @;C (' (9' :((:' < ' 9D=CE' C B' A:' !< B' 1 ' KC B: ' < ' &O&W' CD: (< F' (;C('(;:' <D?9 <(<9 '9!' B6(<: '9 ' ? :@<96 ' (9 : ' < '&O&O' ;CB' :B'(9' D6FF < F' C B' >:?('(;:' B<CD9 B' D: @;C (' ! 9D' : 9 ([< F'(9' 9D=CE' C B' :@9D D: B< F' (;: :!9 :' (;C(' (;:' B6(<: ' ;96 B' =:' :?:C :B' ;< '@96 :'AC '(C>: 'C B'(;:'!9 D: ' <=: C '?9 <@E'9!' (;:' 9D?C E' : : (:B'(9' <CD9 B ' C :' : E' ? : (<!6 ';: :' C B' 9D:' 9!' (;:D' :DC >C= E' !< :' ;:E' C :' D9 (E' <D?9 (:B' ! 9D' 9(;:' ?C (' 9!' B<C ' =6(' DC E' = < <C (' C :' 9A' :U?9 (:B' ! 9D' F C B' ;:'A:C (;E' C(< : ':U?: B' C F:' 6D ' < ' (;:'?6 @;C :' 9!'?:C 'B<CD9 B ' C B' :D: C B ' C B'C :' : E'F99B' 6BF: '9!'(;:' C 6:' 9!' ?:@<96 ' (9 : ' 9 : <C ' CFC(: ' b9 ' C :' A9 >:B' <

CD=CE ' C B' C :' = 96F <(' ! 9D ' 2C(C ?99 ' :C ' 9C@; ' C B' 9(; : ' ? C@: ' ' 9D=CE' C' = < >' (CB:' < ' 9C <:B' 9 ' < ' (; : :' (9 : ' A<(;' (; :' 6 9?:C ' @9D D 6 <(E' ' (; :E' C :' : B9D' 6 :B' =E' (; :' C(< : ' :U@:?('!9 ' (; :' B:@9 C(<9 ' 9!' @; < B :

9D=CE' < ' @: := C(:B'!9 ' (; :' DC 6!C@(6 :' 9!' @C :B' = C@>A99B!6(" N6 <(6 :' C B' C@V6: :B' <(:' @ :: ' (:C'?9E ' A <(< !:' KC :' B: > ' C B'! 9A: ' (C B ' 9!' (; < '>< B A9 >' C :' F: : C E' : E' : :FC ('< ' C??:C C @: ' C B' 9!(: ' 9!' :UV6< <'<F B: <F ' =6(' (; :' 9 B< C E' @96@; : ' @; C< 'C B' C F:' (C= : ' 9!' :C :(< C@>A99B' C :' ; :C E' C B' @ 6D E ' C B' (; :' 6 :' 9!' (; :D' ; C ' =: : 'F< : ' 6?' < ' 9D=CE' < ' !C 96 ' 9!' (; :' ?9 < ; :B' =<C:>A99B' !6 <(6 C' DCB:' =E' (; :' C (' B<C' (' 1 C 6!C@(9 E' C(' 39AC <C' C >' 6?? E' <@; ' !6 <(6 :' 9!' ?6 : E' 9 <: (C ' B: <F ' ' < B ' !6 <(6 :' 6<(:B' (9' C(< e' AC (' < ' DCB: ' C ' A: ' C ' (9E ' 9 CD: (:B' =:C6(<!6 E' A<(;' C@ ' ' ; D:BC=CB ' C 9BC ' C B' 6 C(' C@V6: :B' !6 <(6 :' DC 6!C@(6 :B ' ; :' !< (' C B' C (' 9!' (; : :' ? C@: ' C :' C 9' !CD9<!:' !9 ' (; :< ' =<C:>A99B' @C :B' !6 <(6 :' C B' 9(; : ' A99BA9 >' 1 9 ' 9!' (; :' ;96 : ' < ' ; D:BC=CB' C :' @9 : :B' A<(;' : C=9 C(:' A99. .' @C < F ' C B' (; < ' < ' (; :' @C : ' =6(' (9' C' : : ' B:F : : ' < ' 9C9 >' C 9BC ' C B' 6 C(' : E' F99B' 99@9C66(' !<= :' DC((< F' < ' DCB:' C(' (; :' 296 :' *' 9 :@(<9 ' C B' < ' 6 :!6 ' !9 ' @9 : < :' 9@9C 6(' N<= :' 1C((< F' ! 99 '9!' : C BC ' =< <C B' 99D b@' ;< C' DC((< F' AC ' 6 (<' :@: ('E:C 'C D9 ('< C <C= E' 6 :B!9<' B< < F ' B CA< F ' C B' =:B' 99D '=6('< ' 9A' =:< F' B< @C B:B' < '!C 9 <' 9!' (; :' D9 :' C((C@(< :' : :B' DC((< F' 9!' 1CB C ' A ; <@; '< ' DC 6!C@' (6 :B' !9 ' (; :' @C=< :('DC>: '=E' 1CB C ' A9 >D : '< ' 9D=CE ; :' D9 (' C@(< :' < B6 (E' < ' 9D=CE' < ' (; :' DC 6!C@(6 :' 9!' (; L' @9??: ' @99>< F' ?9('C B' 9(; : ' 6(: <' 9?? : 9(' 6 < : C ' 6 :' CD9 F' (; :' C(< : ' 9 B<C' ; :' 9??: ' CQCC ' 9??9 <(:' (; :' 19D=CB: <' C >' < ' (; <=6 <: (' C B' 9< <: (' (: :('< ' (; :' C(< :' (9A ' ; :' C (' : 6' : :C :B' (; :' !C@(' (; C(' (; : :' C :' 9 : ' * %OO' = C ' C B' @9??: .(;' C B' , ,OO' = C@> D<(; ' < ' 9D=CE' C B' B< (<@(

; :' @9C@; '=6< B: ' 9!' 9D=CE' 9A' (6 ' 96(' H'@9<D . E' =C< ('!' @C <CF: ' < !: <9 ' < ' : :FC @:' < B:9 C <CF: ' :; <@ : '! 9D' 9 F' @ : '=<, 9!' 6= (C (<C ' C B' F99B' A9 >DC ;<?' ;:' C< ACE' 9D?C <@.' ;C :' :U(: < :' A9 > ;9? ' 9!' (; :< ' 9A ' C(' C : ' A ; : :' (=:!' D<D6!C@(6 :' C '>< B '9!' 9 < F' (9@>' :U@:?(': F< : 'C B' (; :' V6C <(!' ' C ' F99B' C ' @C ' =:' B: < :B' !

9 ' A9 >' =: <B: ' @6(: E'<' (< ';CDD: :B'A<(;'F :C(' >< ' < '
;<<.:BC=CB' A;: :' !9 D: E' (;: :'
9 'C B C K9 > A: :' 9D:' : E' !< :' A9 >: ' < '
:(C ' ;:'=:C6(<!6'FC(: ' !';(;:'(9D='9!' ;C;' CD'C :':UCD?:'
!'?: !9 C(:B'= C ' A9 >' ;96F;' 9D=CE' ;C ' (9'<D?9 ('C ' ;: '
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CB:' < '(;:'< 9 '< B6 (E';: :'C ((' 9A'A<(;'(;:'<D?9 (C ('U9:?"
^<9 ' 9!' DC@;< : E' (;: :' < ' ;C B E' C E'B: @ <?(<9 ' 9!'< 9 ' A9 >'
;<@;' @C 9('=:' DC 6!C@(6 :B'< ' 9D=CE
aC' (;9 :' < (: : (:B' < ' (;:' B: : 9?D: (' C!' (;:' DC 6!C@(6 < F'
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9 'C B' F< :: < F'K9 > ' (<B: ' A;<@;' 9!' C(:' E:C ' ;C :'
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F< :: < F'(CB: ' 9!' 9D=CE'@C 9('!C<' (9'C!!9 B' : @96 CF:D: ('
B' C(< !C@(<9 ' ;: :'C :' 9A' : : C ' 6 9?:C ' !< D ' B: 9(:B'(9'
< '= C @;'9!' =6 < : 'C B' DC@;< : E' C B' (6@(6 C ' < 9 ' A9 >'
<@;' C'!:A' E:C ' < @:'@96 B'9 E' =9'9=(C< :B'=E' <D?9 (C(<9 'C @'
\ 6!C@(6 :B' 9@C E' C(' ? <@: ' A;<@;' 6@@: !6 E' @9D?:(:' A<(;'
9 :'9!' F< ;' DC>: ' ;:'D9 (' :U(: < :' A9 > ' 9 ' (;:' < C B'
(;9 :'9!'1 : ' <@;C B 9 ' C B' 6BBC ' C' !< D' A: ' > 9A '
%/ ' B<C ' C B' A;9 9'(A9': (C=< ;D: (Z(;:' ?CE' C' < <(' ! 9D'
! :'B: < 96 '9!'A<(: < F'A;C('@C '=:'B9 :' < ' (;< ' @96 (E' A<(;'
<:B' C(< :' C=96 ' ;:'(9(C' C :C' @9 :B' =E' (;:' A9 > ' C B'
K:'9!'(;<'9 B' : (C=< ;:B': F< :: < F'!< D'< ' 9 : ' ,T 00O' V6C :'
B '9 ' :C E'&O'C@ : ' C B'(;:'A;9 :'9!'(;< 'C :C'< ' C<B'(; 96F;'"
(' A<(;'(CDACE ' A:<F;'= <BF: ' @ C : 'C B' (;:' C(: (' C??<C @: '
' :@9 9D< < F' C=96 ' =96(' & *00' A9 >D: ' C :' :D? 9E:B'
?: '< (: B:B' =E' C' C F:' 6 9?:C ' (C!! ; :' A9 > ' ;C :' =:: '
E' C F: E' :U(: B:B' C B' <D? 9 :B' B6 < F' :@: (' E:C ' < 'C '
<?C (D: ('C B' A< ' 9A' =:C 'IC 96 C= :'@9D?C < 9 'A<(;'(;9 :' 9!'
B< F'!< D ' < '(;:' CD:' < :' 9!' =6 < : ' < ' (;:' D9(;: '@96 (E'
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%O'!::('C B'(;: :'C :'# @6?9 C 'C?C= :'9!'C'@9D=< :B'96('(6 '9!'
(9 ' ?: ' BCE' 9 ' < F :'@C (< F ' ?' (9' *O' (9 ' A:<F;(' =:'
(;') ;9? ' D:C 6 < F' *00' !::(' 9 F' =E' 00' !::(' A<B:' A<(;' &*O'
/ &' T' (:CD' ;CDD: ' (:CD' ?C < ;: ' C B' ACF: ' C B' =9 ('
C B' < :(' DC>< F'DC@;< : 'C :'@: (C< E' (;:' C F: ('C B' D9 (' @9D[
? :(:'< ' <C ' C B' A<(;' (;:' 9A '9!' = CQ< F'!< : 'C B' @ 9AB' 9!' C(< :'
A9 >D: ' ? : : ('C' (<>< F' @: :'9!' =6 (< F'C@(< <(E'< 6 (C(< F'C '
<(' B9: ' (;:' F 9A(;' 9!' K: (: ' !9 D ' 9!' C=96 '< ' C (' !<: B '
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C F:' ?C ' A;<@;' C :' ;: :'?6(' (9F:(;: 'C B' (: (:B' ? : <96 ' (9' =:< F

B G CF7 . &' E ' ' \ (

(C>: ' (9' ?<:@: ' C B' B: ?C(@; :B' (9' (; :' <(:' 9!' : :@(<9 ' N9 ' (&' = C @;' 9!' (; :< ' ; < : ' (; :' !< (' ;C ' C<B' B9A ' :U(: < :' ? C ('] (; :' D9 (' D9B: ' @C ' < @ (<B< F' ? C(:' :BF:' ? C < F' DC9;< 5' A ;<@;' <D (C :96 E' ? C :' (; :' <B: ' C B' : B ' 9!' (; :' C F: (' ? C(' 9 :B ' C ' C 9' (:CD' C B' ; EB CC <@' < :((< F' DC9;< : E' ; :' C((: ' < ' 9!' A:BB:) ' ?9 (C= :' (E ' D96 (:B' 9 ' (C : < F' @C <:] A ;<@;' ' (; 96F;' (; :' : F(;' 9!' (; :' ;9?' C B' 9< : : E' A<(;' ⅓ < F :' ?9A: !6 ' V6: :Q: '@ 9 : '6?' < :(' 9 ' A9 >'< ' ?9 <(<9 ' ' C' F :< ' <D? 9 :D: ('9 ' (; :' 9 B' E (:D' 9!' < :((< F'=E' ;C B' ;CDD: ' A<(<' <(' C((: BC (' 9< :' C B' (99' 9!(: ' B:!:@(< :' A9 >DC ;<?' ('A<(;' (;< ' ?C (' (;C(' 1: ' <@=C B 9 ' C B' BBC ' ;C ⅋ (6 :B' 9 (' (; :' ;:C <: (' = <BF:' A9 >' : : ' DCB:' < ' (;< ' @96 ('' 9(C= E' (; :' =6><' <BF:' + 6 C(⅋ 9!' *' ?C ' 9!' P0' !: :(' K C ' F< B: Z (; :' :(ACEB:(' C B' ; : 9FEC' <BF: ' + 6 DC;⅋ 9!' & C B' ' ?C ' : ?:@(< : E' &0% ! : :(' 9 F' 9' ?C C : :B' C((<@:' = <BF: ' ⅓ ?C ' C E< F' =:(A: : ' 00' C B' &W0' ! : :(' !9 ' CF?6 ' < C B 6<< ;C CACBBE' 1C B<' C C ' C 9BC' ⅍ =: <B: ' 6D: 96 ' DC !' 9CB' = <BF: ' A ;<@;' C :' < ' :;'< ' C ' ?C ('9!' (; :' @96 (E' 1C E' (; : :' A: :' B: <F :B' =E' (; :' !< D' (9' <(' ?:@ <C ' <(6C(<9 ' C B' @ ' 96D (C @: 'C B' ?? <:B' A<(;' @C ('< 9 '@E < B: ' ?<: 'C B' A 96F \' < 9 ' ! 99 < F' @9D? :(: ' ;:' !< D' ;C ' C 9' C(: E' :U(: B:B' (=^' 9?: C(<9 ' (9' (; :' DC 6!C@(6 :' 9!' (:CD' =9< : '9!' C F:' <Q:' C B<' (;< ' @ C '9!' A9 >' ;C '< (9B 9:B' D :9 ; C <@C' C?? <C @: ' ' D=9BE/ (; :' D9 (' :@: (' <D? 9 :D: (' < @ 6B< F' D6 (<? :' B < < F' !^' ! C <Q< F' C B' A: B< F' DC@;< :

;:' ? < @<?C ' B: DC B' < ' (; :' < :' < ' ! 9D' (; :' 9@C ' @9((9 ' D< ^' (; :' (C BC B' (E ?:' =:< F' (: : ' C @C ; < :' =9< : ' (; < (E' ! : :(' 9 F' : : ' ! : :(' B<CD :(: '!9 ' A9 >< F' ? : 6 : ' 9!' &0O' (9' &&0' ?96 B ' ?^' V6C :' < @;

;: :'C B' DC : '=9< : '9!' C <96 ' @ C : 'C :' (9' =:' : : ' < ' @96 < ' 9!' 99 (9(<9 'C ' < :(' ;9 : '=:< F' B < :B' < ' ?9 <(<9 'C B' (; :' < <' (< F' B9 :' =E' ?:@<C E' B: <F :B' ;EB C6 <@' < :((: '9!' F :C(: '?9A!' ' A9 >' < ' ? 9F : '< ' 9?: '(9' ?: <9B<@C ' <9 ?: :(<9 ' =E' (; :' `9 :<!' D: (' 9< : ' ?:@(9 ' A ;9' < ' @9 :V6: @:' < ' :D?9A: :B' 6 B: ' ! 9< : ' 9(' (9' F C (' ?:@<C ' @: (<!<@C(: ' ; :' @9D=< :B' !<((.' ;9? ' D :C 6 :' *%# ! : :(' 9 F' =E' #T' ! : :(' A<B: ' C B' C :' . A<(;' (; :' C(: (' C B' D9 (' C?? 9 :B' DC@;< : E' !9 ' !<D 1 F' C ' @ C : ' 9!' < 9 A9 >' ; :' A9 >' < ' ? 9F : ' < ' B<!!: : (' B:?C (D: (' A< ' =:' !96 B' (9' < @ 6B:' F< B: ' 99!< F' D9 (C ' D< ' 9CB' 9 : ' !9 F< F' 9!' C ' @C : ' b9 ' b9' 16@;' 9!' (; < ' A9 >' < ' !9 ' ?'99 (E' C B' C ' :UCD? : ' 9!' <(' @C ' D: [(<9 ' DCE' =:' DCB:' 9!' (; :' (9(C ' < ' A9 >' 9!' (; :' :9 9" (C <C(' C B' DE' 2 :CB' `6C (: '=6< B< F ' C(' <D C' +=6< (' : (< : E' 9!

99 :(: . 'C ` B'U<(i ; :' CD :' ? C@:' (; :' :A' <9: :FC ' C C@:'
C ' C 9 (; :' CAC ?< B<' 1 <U ; : (' ` 6 : ((C' C (C9>' < 9 "
CD : (C '@C (< F ' 9!' ?< C ' C<< F ' FC(: ' b9 ' C ' : :B' < '
((99(<9 ' 9!' 1 ': (' : C@ ; : ' b' 9) ' 9 (' =C< B<6F ' (; :'
:' 92 : F : ' b9 ' C B' V6C (<(: ' 9 !' ? C< ' @9 6 D ' =: CD '
B' < ' (; :' DC 9 <(E' 9!' (; :' 2 < ' < ' 9D=CE ' ' CBB<(<9 '
DC 6!C@(6 < F' =6 < : ' 1 : ' <? ; C B 9 ' C B' 6BBC '
+ C F :' <D ?9 (: ' : ' < 9 ' DC@ ; < : E ' b9 ' C B' C(' (; :< ' D : (C '
N(' 9 ' (; :' C : ' 9CB' ; Cr :' C ACE ' 9 ' ; C6B' C' C F :' (99>' 9!'
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?< F ' 96 (9) ' (9 : AC :' ?<?: ' D<(; E' C B' (: CD' @9C ' !96 B E'
>: ' b9 ' b@' K<(; ' (; < ' = C @ ; ' 9!' (; : < ' =6 < : ' < ' @9 :@(: B' (; :'
(C@(< F' !9 ' (; :' 6?? E' 9!' DC(: <C ' !9?' : A' AC(: ' 6?? E' ? 9 :@('
A ; <@ ; ' (; ' ; C : ' C : CBE' 9@: (6 E' @C <: B' 96(' (; :' 56==6 ?9 : '
6 =C ?6 ' ; 9 C?6 ' C C ' 9 ; C ' C C ?9 : ' (((CF ; : E ' 9(C9C"
9 B ' 3 6 (C>6 ' 1 ; 9A ' : ; CAC ' ==9(C <CB ' 6 ; CD ? \ ' C B'
CF ?9 :' @ ; : D : ' ; :' D : D=: '9!' (; :' !< D' ?: C>' ; <F ; E' 9!' (; :< '
C(< :'C (< C ' DC E' 9!' A ; 9D' ; C :' =: : ' (C< : B' < ' (; :' A9 > ' C B'
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F< : ' : D? 9ED : (' (9' : : C ' ; 6 B<
A9 >D : ' C < F' < ' C BC A99B' :=9 E ' C B' = C@>A99B'
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' \ B: ' (; :' U:@6(< :' 39 :DD: (' (; : :' C : ' !9 ' (; :' : : 6: ' . C @<C ' C B' :?C C(:' :?C (D: (' C' :@ :(C E ' C ' \ B: H' :@ :(C E ' C B' C ' < (C (' :@ :(C E/' < ' (; :' 9 <(<@C ' ?:@<C ' B<9<C ' C B' :F< C(< :' :?C (D: (' C' :@ :(C E ' C ' \ B: '' :@ :(C E ' A ; 9'C 9'9!!<@<C(: ' C ' :@ :(C E' (9' (; :' :F< C(< :' 9 @< ' XC B' (A9' < (C (' :@ :(C <: ' ' < ' (; :' B @C(<9 C ' 3 : : C ' 1C(< h' C B' @@ : <C (<@C ' :?C (D: (' C' :@ :(C E' C B' C ' < (C (' :@ :(C E' ' C B' < ' (; :' 6= <@' K 9 > 'C B' C< ACE' :?C (D: (' C' :@ :(C E' (; :' \ B: ' :@ :(C <: ' C B' C ' < (C (' :@ :(C E ' K ') ' ' H #' . ' ' ' ' S% &' 8 / 'W R' K <(; ' (; :' :U@:?(<9 ' 9!' C' ! : A ' C??9< (D: ('< ' (; :' 9 <(<@C ' :?C (D: (' 9!' (; :' BD< < (C(<9 ' 6@;' C ' CF: @<: ' C(' (; :' 96 (' :!' C(< :' ? < @: ' A ; <@;' C :' ; : B' =E' D< <(C E' D: ' :C E' C '9!!<@: ' 9!' F :C(' (6 (' C B' :D9 6D: (' < ' B<C' C :' 9A' ; : B' =E' D :D=: '9!' (; :' 9 : C (:B' < <' : <@: ' A ;9 :' C > ' C :' :@ 6<(:B' : : E' E :C ' ! 9D' F C B' A<(; 'E96 F' D: ' : :@(:B' =E' @9D?:(<(< :' :UCD< C(<9 ' ; :' 39 : D: (' 9A' CBD<(' ; : :' C B' (; : :' C' B< (< F6< ; 9!' : :B' C(< :' (9' 9D :' ?9 (' ? : <96 E' : : :B' !9 ' D :D=: ' 9!' (; :' < <' : <@: ' <:' 6=9 B< C(:' CBD< < (C(< :' A9 >' < ' B9 :' =E' D :D=: '9!' (; :' \ @9 : C (:B' < <' : <@: ' A ; <@; ' @9 < (' 9!' 6 9?:C ' 6 C" <<C ' C B' S C(< : ' C B' (; :' B<C ' 39 : D: (' :(C< ' (; :' C(9 CF:' 9!' C??9< (D: ('< ' (; < ' : <@: \ B: ' (; :' DE' : ! C < C(< " @; : D : ' = 96F ; ('< (9' !9 @:' ' . ' '. ? <' OP# ' (; :' : <B: (<C ' D<: 9DDC C ' @:C :B' (9' :U< (' C ' :?C C(:' 9 FC < C" = ' C B' (=:' A ; 9 :' 9!' (; :' !9 @:' < ' B<C' AC ' = 96F ; (' 6 B: ' (; :' @9 (9 '9!' (; :' 9 9DC B: '< ' ; <:!' < ' B<C' ; :' B: <F C(<9 ' 9!' ; :' 9DDC B: '< ' ; <:!' < ' 9D=CE' +A ; 9' ; C ' 9A' @:C :B' (9' =:' C' :D=: ' 9!' 39 : D: (R' ; C ' =:: ' @; C F :B' (9' (; C(' 9!' <: (: C (" : : «' 9DDC B< F' (; :' 9D=CE' !9 @: ' C B' (=:' CD :'C (: C(<9 ' ; C ' :: ' DCB :' < ' :FC B' (9' 1CB C ' 6(' ((' :' @; C F: ' :!!:@(:B' 6 B: ' (; :' @=: D :' C :' DC< E' < ' CD :' C B' < ' (; :' ?9A : '9!' ?C(9 CF: ' =:' 9D=CE' !9 @: ' C :' 6 B: ' (; :' 9DDC B' 9!' <:6: C ('3 : C ' <B' ' 9A ' 3 ' A ; 9' C 6D :B' (; :' 9! @:' 9 ' (; :' WP(;' @(9=: ' & T P 0 ; :' ; :CB'V6C (: ' 9!' (; :' 9D=CE' DE' < ' 99 C ' A ; : :' (; : :' C :' (C(<9 :B' W &OO' <(< ;' !C (E ' ' (; :' 9D=CE' : <B: @E' (; : :' A : :' C(' (=:' @ 9 :' 9!' C (' E :C ' 9 :' :F<D: (' 9!' <(< ;' C C E ' !96 ' 9D?C <: ' C??: ' C B' 1< : ' (A : (E'9 :' =C((: <: ' (< : E ' C B' (: ' =C((C <9 ' 9!' <(< ;' !C (E' J < :' :F<D: (' C(< :' C C E ' < @ 6B< F' B: ' 99? ' C B' 39 : 9) ' 9BE' 36C B ' (A9' =C((: <: ' C(< :' (< : E ' C B' (A: (E' <U' :F<D: (' 9!' C(< :' !C (E ' ; :' 9 6 (: : ' D9 :D: (' ; C ' =: : ' (C>: ' 6?' A<(; ' F :C(' ?< <('< ' (; < ' ? : <B: @E ' (; :' 3 ' ' C< ACE' 9D?C E' ; C < F : 9 :B' C' !9 @: ' & PO%' (9 F ' 6 B: ' <:6(: C (' 9 9 : 5 ')

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M' ; :' E:C ' &OPT'P%' (; :' C (' E:C ' 9!' (; :' @9 (C@(' 9?: :B' A<(; ' !C< E' !C 96 C= :' ? 9 ?:@(' C B' ? 9 < <9 ' AC ' DCB:' < ' (; :' =6BF:(

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' 9 ' =: !9 :' (; :' &0(; ' 9!' 9 : D =: ' < ' :C@; ' E :C ' (; :' 1 <9<?C ' 9D D< <9 : ' D6 (' CE' =: !9 :' (; : D6 <@<?C ' S: : :' C B' <'' F<C B<(<F' 9D D<((: :' C ' : (<DC(:' ? :'' ?: 9<(6 '' ?C :B' =E' ; <D' 9!' (; :' ? 9?9 :B' :U?: B<[(6 :' 9!' (; :' 1 6 <@ C <(E' !9 ' (=:' E :C ' @9D D : @< F' (; :' & (' ? < ' (; : ' :U(' 6@@: :B< F' C B' (; :' (C B< F' 9D D<((: :' 99 <B: ' (; :' : (<DC(: ' C ' ' C<(; ' (; :' C < C 9 :' 9!' (; :' 1 6 <@<?C ' 9D D< <9 : ' C' =6BF :(' ? :?C :B' 9!' @9D :' C B' U?: B<(6 :' A ; <@; ' < ' C<B' =E' (; :' ; C< DC ' ?!' X=:' ' '& 9D D<((: :' =: !9 :' C' D : :(< F' 9!' (; :' *9 * '' @ ' *

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; :' :U(: (' (9' A ;<@;' (; :' 96(= :C>' 9!' (; :' ? CF6: ' :?<B: D<@' C!!: @(: B' (; :' 1 6 <@<?C ' !< C @: ' < ' ;9A ' =E' (; :' : DC > '9!' (; :' 1 6 <@<?C ' 9D D< <9 : < ' (; :' BD< < (C(<9 ' :?9 (' !9 ' &OP%HP*" Z M ; :' :!!: @(' 9!' (; :' ? CF6: ' 9 ' (; :' !< C @: ' 9!' (; :' E:C ' AC ' : ' D9 :' B< [C (96 ' (; C ' < ' (; :' ? :@:B< F' E:C ' ; :' 9?: < F' =C C @: ' < @ 6B< F' :@9 : C= :' CB C @: ' : : :' (9@>' b9 ' C B' :U@ 6B< F' B:?9 <(' 6 [:U?: B:B' 9C '=C C @: ' C B' D< 9 'CB 6 (D: (' AC ' 'WP %T ##W'&#'&O' :B6@(< F' ! 9D' (; < ' CD96 (' P O& O, OH&W'T' CB C @:B' !9 ' : : :' (9@>' C B' ' T %& &TW'%H&& 9 ' C@@96 (' 9!' C? :B' F C (' !9 ' ? : <96 ' E:C ' : :A:B' B6 < F' (; :' E:C ' 9!' :?9 (' C B' C 9' (; :' D< <D6D' @C ;' =C C @:' 9!' ' & 000 000 ' :V6< :B' =E' CA' +(9(C ' 2 ' &T %* 00*H, '#R ' (; :' 6 C?? 9? <C(:B' 6 ? 6 ' @C ;' =C C @:' C((; :' =:F< < F' 9!' (; :' E:C ' AC ' ' &* 0* #,PH&&'#' BB< F' (9' (; :' F 9 ' 9?: < F' =C C @:' 9!' 'WP %T ##W'&#'&O' (; :' : : 6:' :C <Q:B' B6 < F' (; :' E:C ' '%& ,# #T0'OH#' (; :' (9(C ' CD96 (' C C< C= :' !9 ' :U?: B<[(6 :' AC ' ' & O& WW &&*'O'*' C(' 9!' (; < ' (; :' CD96 (' ?: (' BC < F' J(; :' E:C ' AC ' ' %, PT PTP'W'&O' 9' (; C((; :' 9?: C(<9 '9!' (; :' E:C ' : 6 (:B' < ' C ' C??C : (' 6 ? 6 ' 9!' 'WT W# &, , '#'# ; < ' 6D ' ; 9A[: : ' B9: ' 9(' :? : : (' (; :' CD96 (' C@(6C E' C C< C= :' C(' (; :' : B' 9!' (; :' E:C ' !9 ' !6 (; : ' :V6< :D: (' < @:' <(' < @ 6B: Z '# O* T0P'O' ' =:< F' (; :' CD96 (' 9!' C? :B' F C (' !9 ' (; :' E:C ' 9!' :?9 (' C B' ? : <96 ' E:C ' (9' =: : :A:B' < ' &OPO'PP' ' 'P O* #OT'&&HP' =:< F' (; :' C 6:'9!' : : :' (9@>' C' O &W #, T', 'O' =:< F' (; :' :(' CB C @:' DCB:' 67' (9' &OP%'PO' !9 ' ?6 @; C :' 9!' C B' 9 '(; :' F <?CBC' (C(:' @ ' A ;<@;' AC ' :U?:@(:B' (9' =:' :@96?:B' =E' (; :' C :' 9!' ! 9 (CF:' C B ' =6(' @C 9(' 9A' =:' :@96?:B' C ' (; :' C B ' ; C :' =: : ' DCB:' 9 : ' =E' 9 ' '9!' &OP*' (9' (; :' <(E' 9!' 9D=CE' D? 9 :D: (' 6 (' J C B' ' & 00 000'0'0 ' =:< F' (; :' D< <D6D' @C ;' =C C @:' :V6< :B' =E' CA' ' (9(C ' C ' W* PP T, W.O'T

; :' C@(6C ' 6 C?? 9? <C(:B' 6 ? 6 ' @CC;' =C C @:' AC ' (; 6 ' :H B6@:B' ! 9D' ' &O O& #, P'&&'# C(' (; :' 9?: < F' 9!' (; :' E:C ' (9' 'W WT #0&', W'&&' C(' <(' @ 9 : ' ;9A< F' C' 9 'B6 < F' (; :' E:C '9!' 9 : 5O*%, ' C>; ' ; :' =6BF:(' : (<DC(:' 9!' @9D :' !9 ' &OP%'PO' AC ' '0% IP0 (99 ' ; :' C@(6C ' !9 ' &*PT'P%' A: :' 'TW 00 P%%'&&'W ' ; :' : : 6:' :C <Q:B' B6 < F' &OP%HPO' CD96 (:B' (9' C' %& ,# #T0'O'#' 9 ' D9 :' (; C ' (; :' : (<DC(:' =E' ' * ## , T0'OH# C B' D9 :' (; C ' (; :' ? : <96 ' E:C ' : : 6:' =E' 'P *T #OW'&*'*' C(' (; :' !<F6 :' 9!' : : 6:' :C <Q:B' < ' A: :B' =E' (; :' < @ 6 <9 ' < ' <(' 9!' C' =99>' : (E' 9!' ' , *% OT#'O'&' A ;<@;' 6D' ;C < F' =:: ' :U?: B:B' < ' &OPT'P%' ! 9D' @6 : (' : : 6:' 9 ' ? CF6:' C@99 (' C' :=C(:' AC

C 9A:B'(9'96 : (' : : :'< ' &OP%'PO' < ' <:A'9!' C' 9C ' 9!' WO' C>;C' A;<@;' AC ' C @(<9 :B'(9'=:' C< :B'!9 ' ? CF6:' ?6 ?9 : ' :B6@:B' ='
(;< ' CD96 (' (;:' : : 6:'9!'(;:'E:C ' !C ' =: 9A'(;:'=6BF:(' : (<DC(:'
='E' 'O& #P,'%'O' (< '<(' AC '=:((: ' (;C ' (;:' : : 6:' 9!' &OPT'P%'
='E' ', PP #W%'&*'W' (;:'< @ :C :'=:< F' DC< E' B6:'(9' (;:' :@9 : E'
9!' C F:' 96((C B< F ' C B' (9' C' 6= (C (<C ' < @ :C :' < ' (;:' :@:<?('
! 9D' 9A ' 6(<: ' 9D:'9!' A;<@;' DCE' ;9A: : '=:' 9 (' ='E' :!6 B '
;:' CD96 (' C 9((:B' !9 ' (;:' :U?: B<(6 :' 9!' (;:' E:C ' +< 9 6 < :' 9!'
6BB<(<9 C ' F C (' 6 B: ' :@(<9 ' &*&' 9!' (;:' 1 6 <@<?C' @(' : :A:B'
C? :B'F C (' 6 B: ' :@(<9 ' &*W ' C B' (C !: ' 6 B: ' :@(<9 ' &**R'
CFF :FC(:B' 'O, ,& *&O'&&'O' FC< (' (;< ' (;:' C@(6C ' B< =6 :[
D: (' CD96 (:B'(9'9 E' '%, PT PTP'W'&O' A;<@;' AC ' ;9 (' 9!' (;:'
: (<DC(:'='E' 'P , , *, &'O'&O' 9D?C :B' A<(;' (;:' :U?: B<(6 :' 9!'
&OPT'P%'(;:' :U?: B<(6 :'9!'(;:'E:C '9!' :?9 (' ;9A ' C ' < @ :C :'9!'
', PW WWT'O'&&' 6(' 9!'(;:'6 :U?: B:B'=C C @:'9!' 'P , , *, &'O'&O'
C' 6D' 9!' '# O* #0P'O'&' ;9A ' C ' M' D96 (' : :A:B' BC < F
&OPO'PP' :C < F' C' :(' C < F' 9!' ' * T0 O*W'O'P' 9 E' 9 : ' (;:'
: (<DC(: Y

. / 'Z,8 % Z M' \ ?' (9'(;:' : B'9!'(;:'E:C '9!' :?9 (' C' '
6D' 9!' ' W, %T T&T'W'P' ;CB' =:: ' ?: (' 9 ' ? CF6:' 9?: C(<9 '
'&* WT &&T'W'P' ;C < F' =:: ' ?: (' B< :@(E' ='E' (;:' 1 6 <@<?C <(E' < '
(;:' &O' D9 (;' : B< F' *& (' 1 C @;' &OP*' C B' ' && #0 #00' < ' AD''
D9 (;' ='E' (;:' CF :' 9D D<((: : ' N9 ' !< C @< F' ? CF6:' @;C F: 'C'
9C ' 9!' WO' C>; ' AC ' C C F:B' !9 ' ! 9D' (;:' C >'9!' 9D=CE' 9!'
A;<@;'&W' C>; ' A: :' (C>: ' ?' < ' (;:'E:C '9!' :?9 (' '# 00 000'9!'
(;:' ? CF6:' @;C F: ' A: :' ?C<B' ! 9D' : : 6:' C B' (;:' :DC< < F'
'&P %T T&T'W'P' ! 9D' 6 ? 6 ' 9C ' C B' 9(;: ' =C C @: Y

9(;: ' ;<F; E' <D?9 (C (' :? : : (C(< :'=9BE'< ' 9D=CE' < ' (;:'
' ' ' p' ' 6 (' C' 9C B' 9!' BD< < (C(<9
h' ' (' !9!F <<9 :' C B' ;C =96 ' C!!C< @9D[
?9 :B' 9!' 9D< : : ' 9!' 39 : D: (' C B' D:D=: ' : :@(:B' ='E' (;:'
;CD=: ' 9!' 9D D: @:' ' (;:'!9 : ;9 :' ? 9?: (<: ' 9 ' (;:' ;C =96 '
<B:'9!' 9D=CE' ;C :' =:: ' ?6 @;C :B' =E' (;:' (C(:' C B' @9D D<((:B'
(9' (;:' @;C F:' 9!' (;:' 6 (' 9' (;C(' (;:' C B< F' C B' ;<??< F' 9!' C<'
>< B ' 9!' D: @;C B<Q:' C(' 9D=CE' < ' 9A' C' (C(:' D9 9?9 E

=:'!9 9A< F'!<F6 : '9!'(;:'< @9D:'C B':U?: B<(6 :'9!'(;:' 6 ('
!9 ' <U' E:C '< ' @9 (C (' ;9A' (;:' <D?9 (C @:' C B' F 9A(;' 9!' (;:'
=9BE' 5Z &OPW'P* &OP*'P, &OP,'P# &OP#'PT &OPO'P% &OP%'PO

@9D: , , P% #0, ,% 00 * ,P ,O %P 00T ,P &# #0O ,% P% T&% &T ,O ,OP
U?: B<(6 : ,T T* &&O ,% & * W&# ,O %& &#* ,O #W %, , T0 #& ,&% ,O ,% 0,P

6 ? 6 ' % P** TWO, ,
:!<@<(&## T0T) W#* 000 & PO T K

(' DC (' =:' (C(:B' (;C(' (;: :' ;C :' =:: ' C (' :B6@(<9 ' < ' (;:'
C(: ' C ' (;:' 6 (:: ' ;C :' C ACE ' CB9?(:B' (;:' A< :' ?9 <@E' 9!' B: :(9?[
< F' (CB:' =E' :B6@< F' C(: ' A ;: : : ' ?9 <= : ' '&OOT'O%' (;: :' AC '
'C' :B6@(<9 ' 9!' 9' : ' (;C ' J ' C>; '' 9 ' F99B ' C B' B9@>' C B'
?9 (' B6: ' C B' < ' (;:' C((: ' 9!' D9 :' (;C ' ' W WP OOO' 9 ' F99B ' C B'
B9@>' B6: ' =: <B: ' A ;<@;' ?< 9(CF:' C(: ' C B' (C ?9 (< F' !:: ' A : :'
:B6@:B ' < ' &OO%'OO ' &%<' C B' #O' ?: ' @: (' : ?:@(< : E' ;: :' :[
B6@(<9 ' ;C :' =:: ' !9 9A :B' =E' 9(;: ' 9!' C' <D< C ' >< B' E:C ' =E' E:C '
A ;: : : ' (;:' @9 B<(<9 ' 9!' (CB:' : B: :B' 6@;' C' 99 :' ?9 <= :

;:' < @9D :' C B' :U?: B<(6 :' 9!' (;:' (6 (' !9 ' (;:' ?C (' <U' E:C '
?9D ?C :' (;6 "'' .,. ,. &OP*'P,& &OP,'P# &OP# PT &OPT'P% &OP%'PO
C
@9D :' ' ,,"P%#0, ,% OO *,P ,O %P OOT ,P &# #OO ,% P% T&% ,T ,O ,OP
U?: B<(6 : Z'
(: : (' W& *% W,O WO PP OW# W& O& O&, W& ,P TW%' W& T% W *' W& %O O&P
(;: ' ;C F:: W# &# OT& WT , <P0 W%50 &*P W% O* &&%' WO P, &*, WT WT W*T

9(C ' ,T #* &&O' ,% &* W&#' ,O %& &#*' ,O #W %,' #T #& ,&%' ,O ,% O,P

6 ? 6 ' % P**' TW O,e
:!<@<(' & ## TOT' &W OTT W #* OOO' & PO T,

' (;:< ' BD< < (C(<9 ' :?9 (' !9 ' C (' :C ' ((:' C (:: ' :DC >'
' N:= C E' &OP%' K;: ' (;:' (<DC(: ' !9 ' (;:' E:C ' (;C(' @ 9 :B'
9 ' (;:' *& (' 1C @;' C (' K: :' 6 B: ' @9 C<B: C(<9 ' C' F :C(' ?C (' 9!'
B<C' AC ' 6!!: < F' ! 9D' (;:' :!!:@(' 9!' C' !CD< : ' ;:' :U?9 (' 9!'
A;:C(' C ' <D ?9 (C (' <(:D' < ' (;:' < @9D :' 9!' (;:' 6 (' =CB' (;: :!9 :'
: (C : E' @:C :B ' C B' (CB:' F: : C E' AC ' < ' C' : E' B:? : :B' (C(:'
9C:<' B<!!<@6 (<: ' 9!' (;:' <(6C(<9 ' A: :' < @ :C :B' =E' (;:' !C@(' (;C(' (;:''
;<F6:' ? : C< :B' < ' (;:' <(E' 9!' 9D=CE ' C B' DC E' 9!' (;:' ! <F;(: :B'
?;;C=<(C (' ;C < F' 96F;(' C!:(E' < ' ! <F;(' (9' (;:' 6 96 B< F' B< '
(<@!@ ' (;:' 9@C ' < B6 (<: ' A: :' !9 ' (;:' (<D :' ?C (<C E' 6 ?: B:B '
;:' 96(99>' AC ' (= ' D9 (' 6 ? 9D< < F' =C(' (=:' C (:: ' ;9?:B'
(;C(' (;:' ? 9 ?: <(E' 9!' (;:' @96 (E' A96 B' ?::B< E' : < :' A<(;' C'
F99B' C< !C ' < ' (;:' : 6< F' ' K ' D9 99 ' \ ?9 ' (;< ' C 6D?(<9 '
(;:E' @C @6 C(:B' 9 ' (;:' : : 6:' =:< F' 9 E' ' ,T OOO' ;9 (' 9!' (;:'
: (<DC(:B' :U?: B<(6 : ' ;:< ' :U?:@(C(<9 ' ;C :' ;C??< E' =:: ' D9 :'
(;C ' :C < :B' < ' C ' D6@;' C ' C' F99B' ;C : (' 9< :B' (9' C ' 9??9 (6 :'
B:DC B' < ' 6 9?:' ;C ' : 6 (:B' < ' (=:' :U?9 (' 9!' A;:C(' (;< ' :C 9 '
=:< F' C F: E' < ' :U@: ' 9!' (=:' C : CF: ' 6(' (;:' ;<?D: (' ;C < F'
9 E' @9D D: @:B' (9AC B ' (;:' : B' 9!' 1C @;' A: :' (99' C(:' (9' DC>C'
C E' C?? :@<C= :' CBB<(<9 ' (9' (;:' :@:<?(' 9!' &OP%'PO' ;:< ' @C @6[
C(<9 ' A: :' C 9' (; 9A ' 96(' =E' C' :@9 B' 96(= :C>' 9!' ? CF :' < ' (=9'
<(E ' C ' : : :' C ' (;:' !< (' C B' C((: B:B' A<(;' (;:' CD:' B<!!<@6 (<: '
< ' :FC B' (9' (;:' 9@C ' (CB: ' 9(A<(; (C B< F' (;: :' CB : :'
9< @6D (C 9:C' (;:' : : 6:' <D? 9 :B' (9' (;:' :U(: (' < B<9C(:B' =E' (;:

' N ' &P&

!9 9'A< F' @9D?C C(< :' !<F(< : ' D(' (<:' ?CED : :(' < ' : ?:@(' 9!'
F 96 B' C B' ; :B' : (' ;C < F' CFC< ' !C <:6' < (9' C :C ' +C=96('
' ,0 000' C=9 :' (; :' C : CF:R' C B' :U?: B<(6 :' ;C < F' 6 :U?:@(:B E'
(9' =:' < @6 :B' =@9C :' 9!' (; :' ? CF6:' + ' OP OO*R' (; : :' AC ' C' B:!<@<('
C (9F:(; : ' 9!' ' & PO T,0 ' ; :' :C < F ' < ' ?C (' E:C ' K: :

&OPW'P*gg ,& TW % <
&OP*P& ,T WP OOP
&OP&'P# p ,% WT O%,' ' : CF:' ' ,T #%.##
&OP*'PT ,O W& &P ' !
&OPT'P% ,# && P%%
&OP%' PO ,# P% T*P

M' ; :' (9(C ' 6D=: ' 9!' : : ' (; C(' : (: :B' (; :' ?9 (' BC < F' (; :'
C (' (A9' 9!!<@<C ' E:C ' C B' (; :' (9 CF:' C :' C ' !9 9 A H
'

&OPT'P% &OP%'PO

(:CD 9 9 CF: 9 9 CF:
!N9 F:<F ' CB: #%O &&,0 O&O ,OW & OOO %P&
V6C :' <FF:B5' 9C (< F' -' &W*P O#T *T* &WW& & O&W *&O
: : ' ' ^
& G&% & PP% &%* & %O* W O&* &OP
. C< < F' &O &* WOT && && *%W
96 (E' C!(*TOT, TWW ,T# *O **% T,&W,T

M' ; :' ;<??< F' :(6 ' 9!' (; :' E:C ' 6 B: ' : <:A' ;9A' (; C(' < '
99 :V: 9:' 9!' (; :' F: : C ' B:? : <9 ' < ' (CB: ' D9 :' : ?:@<C E'
< ' :U?9 (' 9!' F C< ' 9A< F' (9' (; :' !CD< :' C B' < ' <D?9 (' 9!' @9C '
(; : :' < ' C' !6 (; : ' B:@ :C :' C ' @9D?C :B' A<(; ' &OPT'P%' < ' (; :' N9 :<F '
(:CD' (CB:' 9!' PT' < ' (; :' 6D=: ' 9!' : : ' C B' &,0 O&P' < ' (9 CF: '
; : :' AC ' C' B:@ :C :' C 9' 9!' &O' < ' (; :' 6D=: ' @f' : : ' :D? 9E:B'
< ' (; :' (:CD' 9C (' (CB: ' =6(' (; :' C F:' <D?9 (C(<9 ' 9!' <@:' ! 9D'
6 DC' C B' 9!' @9C ' ! 9D' C @6((C' C B' (; :' :D? 9ED: (' 9!' C F:'
: : ' < ' =9(; ' (; 9 :' = C @ ; : ' 9!' (CB:' C< :B' (; :' (9 CF:' =E'
&## P## (9 ' ; :' : 6 (' 9 ' (; :' A ; 9 :' < ' :FC B' (9' (:CD' (C!!<@' < '
(; :' <F ; (' < @ :C :' 9!' &# P*T' < ' (9 CF: ' ; :' :(6 ' < ' :FC B' (9'
96 (E' C!(' C 9' ; 9A' (; C(' (; :' (C!!<9' ; C ' :@9 : :B' C' <((<9 ' =6('
(; :' (C ?9 (' 9!' ?C : F: ' =E' D (< :' @ C!(' ; C < F' =:: ' < (:@B<@(:B'
!9 ' 9D :' (<D :' < ' @9 :@(<9 ' A<(; ' (; :' ? CF6:' C B' (; :' (CB:' =:< F'
: ' < ' @9 :V6: @:' 9!' (; :' !CD< : ' (; :' (9 CF:' < ' (< ' !C ' =: ; < B'
(; C(' 9!' (; :' E:C ' ? :@:B< F' (; 9 :' 9@@6 : @: ' ; :' (CB:' @C <:B'
< ' C< < F' ;<? ' ; C ' !9 ' DC E' E:C ' =:: ' @9D?C C(< : E' < <F <!<@C ('
C B' 9 E' &&' : : ' 9!' && *%W' (9 ' < <(:B' (; :' 9 (' =:< F' # : : '
C B' & O*,' (9 ' : ' (; C ' < ' &OPT'P% ' ; :' C F: (' : :' (; C(' : (: :B'
(; :' ; C =96 ' AC ' (; :' ' ' ' 9) ' ' M' B<C' Y' A ; 9 :' : F(; ' < ' #00'
! : : (' C <B' F 9 ' (9 CF:' % P&0' (9 ' C B' (; :' : :' B CA< F' D9 (' AC(: '
9 ' C < C ' AC ' (; :' ' M' S <F ; (' C@ ; : 9 Y' A<(; ' C' B C!(' 9!' W# ! : : ('
T' < @ ; : ' ; :' + ' (; C(' ; CB' (; :' B : : ?: (' B C!(' 9 ' :C < F' (; :'
C =9C ' AC ' (; :' ' Y' C B<C Y' A<(; ' C' B C!(' 9!' W%' ! : : (' ,' < @ ; : Y

=C < '9!' (; :' . :<<(: C :C ' ; CB' C' D 9 9?9 E' 9!' ?9 <(@C ' ?9A : ' C B'
@9 D D : @<C ' A :C (; ' <(' AC ' C(6 C E' C(:UC B <C' 9 ' (; :' DC F< '
9!' (; :' C (: ' A 9 B ' C B' E : (' A<(; < ' : C E' :C@ ; ' 9!' 9D : ' (; C(' D '
9!' C ' C(<9 ' 96F ; (' C' 9D D9 ' ; 9D : ' C B' (; C(' (; :' !: D : (C(<9 '
C6 :B' =E' (; :' < (: D< F < F' 9 ' =E' (; :' @9 ! <@(' 9!' (A9' @< < QC(<9 '
AC ' C ACE ' D9 (' C9(< : ' 6 9?:' ; C ' < @ :' DCB :' C' 9 F' (<B :' < '
CB C @ :' =: E9 B' (; :' 1 : B<(: C :C ' C B' <(' < ' C(9D=CE' (; C(' K : (: '
@< < QC(<9 ' < ' 9A' !<(' (' @9 ! 9 (: B' A<(; ' C B' : : > ' (9' : F C!(' <(: !'
?9 ' (; C(' 9!' (; :' C (' K :' ; C :' 9(' ; : : ' C ' C' : 6 (' C' : A'
@ ; 99 ' 9!' ? ; < 9 9? ; E' E : (' = (' 9D=CE' < ' B : @<B : B E' (; :' D9 ('
F <@< : B' @<(E' < ' B<C ' 9(' =: @C6 :' ; :' ; C ' C' : E' C F :' 6 9?:C '
?9?6 C(<9 ' =6(' =: @C6 :' (; :' C(< : ' F: : C E ' A<(; 96(' C=C B9 < F'
(; :< ' <: (C ' B : ' C B' DC : ' ; C :' =: : ' (9 F E' < ! 6: @ : B' =E'
F < ; ' : B6@C(<9 ' C B' ACE ' 9!' (; 96F ; (' ; :' ?6= <@' D : : (< F' < ' C ' '
!C D< <C ' C B' 6 :!6 ' C ' < (<(6(<9 ' ; : :' \ ' < ' F C B' ' (; :' CD=<(<96'
9!' (; :' C(< : ' (9' :U@ : ' C ' A <(: ' C B' ?: C>: ' 9!' F < ; ' < ' 9D : H'
(; < F' CDCQ< F ' C B' (; 96F ; ' <(' @9 : V6 : @ : ' DCE' 9D : (<D : ' =: '
6B<@ 96 ' (; :' F: : C ' : 6 (' < ' C(< !C@(9 E' ' A ; C(: : ' < ' ?6= < ; : B'
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C(' 6F?CBA ' : C ' <9 ' C B' C 9(; : ' < ' 6 B: ' @9 (6@(<9 ' C(' ; C C

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; :' ? 9D9 (9 E' ; : : = 9CB: ' < (9' C' A<B:' ?C@: ' A ; <@; ' ; C ' =: : ' @ :C :B' !9 ' =C C@> ' C B' C' 6 9?:C ' C C9>C' C B' ?C CB :'F 96 B' !9 '(; :' 6 9?:C ' (99? ' C CB :'F 96 B ' 6 9?:C ' :F<D : (' 9!' < !C (E' C B' (A9' =C((: <: ' 9!' C (< : E ' !9 D< F' (; :' 6 9?:C ' ?9 (49 ' 9!' (; :' FC < 9 ' 9!' 9D=CE ' C :' C ACE ' V6C (: :B' ; : : ; :' <(6C(<9 ' '< ' C' F99B' C B' ; :C (; E' 9 : ' =:@C6 :' (; :' (99? G C :' >:?(' C(' C' B< (C @:' ! 9D' (; :' C(< :' =CQCC ' C B' C :' (< ' :CBE' C(' ; C B' <!' (; :< '? : : @:' ;96 B' =:' :V6< :B' < ' (; :' ? < @<?C ' ?C (' 9!' (; :' @<(E ' ; :' =C C@> ' C(' 9 C=C' ;C :' =: : ' : E' DC(: <C E' <D? 9 :B ' (; :' 9 B' ;6(' A ; <@; ' (99B' (; :' (9 D ' 9!' : : (E' 9 ' D9 :' 96(; [A : (' D9 99 ' ;C < F' =: : ' ?C :B' B9A ' (9' DC>:' 99D' !9 ' D9 :' = (C)C ' D9 :' 99DE ' D9 :' ; : (; E ' C B' C< <: ' = 9@> ' ?? 9C@; < F' 9 C=C' 9< ('! 9D' (; :' @<(E ' (; :' :E :' < ' C((C@(:B ' C' <((:' ACE ' ?C?(' ('59;) ' ;6 @; ' =E' (; :' C F:' (A9' (9 <:B' =6< B< F ' (C B< F' 9 ; ' (; :' :!(' <B:' 9!' (; :' 9CB' ; ? :' C :(; : :A ' =C C@> ' C B' (; :E' C :' <D?9 < F' (6@(6 : ' @9D?C :B' A<(; ' (; :' 9A ' E< CF' =6 @C 9A ' C B' (; C(@; :B' ; 6(@C((: :B' C=96('9 ' :<(; : ' <B: ' ; :E' C :' =6< (' 9!' = 6 :' =: C (' (9 : ' A ; <@; ' !9 D ' C' ; C??E' @9 ' C (' (9' (; :' :B' 1C FC 9 :' (< :' A<(; ' A ; <@; ' (; :E' C :' 99!:B ' R ' (; :' @: (:' 9!' (; :' =6< B< F ' !C@< :' (; :' 9CB ' < ' (; :' DC< ' B99 ACE ' (; :' =C C@> ' C :' C?? 9C@; :B' =E' C ;9 (' ! <F; (' 9!' (9 :' (:? ' (: < F' (; :' B99 ACE ' A :' !< B' 96 : ' !< ('< ' A ; C(' < ' (: D :B' (; :' BCE' 99D ' A ; : :' (; :' D: ' D: '9 ' A ; : : ' <!' (; :E' ? :!: ' <(' (9' (; :' : C BC; ' (; :E' @C ' :CB ' 9 ': 9E' C' @; C(' 9 : ' (; :< ' ?<?:' 9 ' @; : 99(' ; :'<B :C' 9!' (; <' BCE' 99D ' =: <B: ' =:< F' C' D: ' 99D ' < ' (9' >: : ?' (; :' D: ' C ' D6@; ' C ' ?9 <= :' 96(' 9!' (; :< ' B9 D<(9 <: ' A ; <@; ' < ' (; :' 9 B' < !C (E' =C :> ' (; :E' C @' B6 < F' (; :' BCE ' < @ < :B' (9' 6 :' C ' :@ :C(<9 ' 99D ' C D9 ('C ' D6@; ' C ' (; :' (<((6(: ' ' :<(; : ' <B:' 9!' <=< ' BCE" 99D ' :U(: B< 6' (; :' A ; 9 :' : F(; ' 9!' (; :' =6< B< F' C :' (; :' B9 D<[(9 <: ' : (C @:' (9' A ; <@; ' < ' FC< :B' ! 9D' B99 ' 9 ' (; :' : C BC; ' C B' <F ; (' C B' C< ' < '9=(C< :B' ! 9D' C F:' A< B9A ' C B' : (< C(9 ' C=9 :' ' :<(; : ' <B:' 9!' (; :' B9 D<(9 <: ' =:(A' : : ' (; :' A< B9A ' (C B' (; :' =:B ' C B' >< (' 9!' (; :' : ' C ' 6D=: :B' (9' ; 9A' (9' A ; 9D' (; :E' :C@; ' =: 9 F' ; : ' =: ; < B' (; :' BCE' 99D' C :' (A9' :(' 9!' 99D ' !9 ' : F:C (' < @ 6B< F' <((< F' 99D ' C F:' C B' C< E' =:B' 99D' A<(; ' C C(9 E' C@@9D D9BC(<9 ' : (C @:' (9' (; : :' =:< F' FC< :B' ! 9D' (; :' : D BC; ' A ; <@; ' 6 ' C 9 F' (; :' =C@>' : <B:' (; 9 :' 99D ' C 9' C B' C(' :<(; : ' : B' 9!' (; :' =6< B< F ' C :' (C< @C : ' A ; <@; ' :CB' (9' (; :' 6??: ' ! 99 ' 2 : :' (; :' C@@9D D9BC(<96' < ' (; :' CD :' C ' =: 9A ' < @ 6B< F

JB9 D<!@9 <: ' : F:C ( )' V6C (: ' C B' BCE' 99D ' ; : :' C :' 9D:' P00' 9!!<@: 'C B' D :)' + 9EC ' (< : E' C B' 9EC ' 9 (;' C @C ;< :' :F<D : (R' < ' (; :' 9 C=C' C C@>
; :' 9 C6F;(' 6=' +!9 D : E' (; :' 9 B<: H' (<(6(:R ' 9' @C :B' <' '<' D :D 9 ' 9!' 2 ' ' 2 ' (; :' :U' 9D' DC B:<1 ' 6<:!' 9 ';(F B:?C (6 :'! 9D' 9D=CE ' < ' C' @9D D9B<96 ' :(' 9!' =6< B< F ' :(' < ' C' ?<@(6 : V6:' ? C (C(<9 ' 9!' ?C D ' C B' ; 6==: E ' A ;<@;' ;C ' =:: ' ?C (<C E' @ :C :B' (9' ?: D<(' 9!' (; :' @9 (6@(<9 ' 9!' (; :' (<(6(:' C B' (; :' 9CB ' (9' C B' ! 9D' <(' 2 :.:' : : E(;< F' (;C(' @96 B' ?9 <= E' =:' F< : ' (9' (; :' 9 B<: ' (9' DC>:' ;< ' <!?' < ' B<C' C' ;6??E' 9 :' < ' (9' =:' !96 B ' 9(;' ;9D :' C B' 9@C ' :A ?C?: ' C B' DCFCQ< : ' <:' C=96(' (; :' :CB< F' 9' D '< ' ? 9!6 <9 ' ; :' <= C<E' < ' A: ' (9@>:B' A<(;' =99> ' =E' (; :' (6BE' 9!' A ;<@;' ; :' DCE ' <!' ; :' @;99 : ' <D ? 9 :' ;< ' :B6@C(<9 ' 9 ' <!' ; :' !: : ' < @ < :B' !9 ' <F;(: ' :CB< F' (; : :' C :' 9 : ' < ' C=6 BC @: ' (; :' (9@>' 9!' A ;<@;'' < ' C ACE ' =:<6F' CBB:B' (9' C@@9 B< F' C ' !6 B ' ?: D<(' ; :' :CB< F'' 99D ' C :' D9 (' < <(< F' < ' C??:C C @: ' C B' A: ' C B' @9D!9 C= E' !6 < ; :B ' (' DCE' : :D' (C F:' (; C(' (; : :' ;96 B' =:' (A9' < (:CB' 9!' 9 :' :CB< F' 99D ' 6(' (; :' (9(C ' C= (C< : ' <(' < ' ? :C < F' (9' 9(: ' < ' (; :' FC < 9 ' !9 D' C' C F:' =9BE ' C B' 9= :@(' C ' D9 (' (: : (9(C : ' B9 ' (9' <(' C 9 F <B:' D: ' @9 6D< F' (9 F' B < >' C B' D9>< F' 9' (; :E' ;C :' :CB< F' C B' :! : ; D : (' 99D ' 9!' (; :< ' 9A ' C ' C F: ' C ' A: ' : (< C(:B' C(<B' C ' A: ' !6 < ; :B' C ' (; 9 :' 9!' (; :' 9 'C= (C< : ' ; : :' (99 ' C ' < ' C' ? 9?: ' @<(E' : (' .6 C ('<!' < @ < :B' !9 ' 6??: ' 9!' C ' : : < F ' (; :E' @96 B' ;C :' A ;C(: : ' (; :E' A<. ; :B' (C' @C ' !9 ' C B' (; :' =< ' A <<@;' ;C F ' 6?9 ' (; :' AC ' ;9A ' ' !C :' 9(' 9 E' C<<:B ' =6(' :DC >C= E' @; :C?' 6<(< F' (; :' ?9@>:(' 9!' (; :' 9 B<: ' A ;<@;' (; C(' 9!' C E' !C ;<9 C= :' : (C6 C (' A96 B' 9(' ' (; :' ACE' 9!' :U: @< :' (; :E' ;C :' C' FED C <6D' C B' ><((:' C 9E' A <<@=' C :' A: ' ?C(9 < :B ' C(: ' CBB<(<9 ' < @ 6B:' C' =< <C B' (C= :' !6 [< ; :B' 96(' 9!' (; :' ? 9!<(' ! 9D' (; :' (<(6(<9 'A ;<@;' ;9A ' D9B' :C'(:' C ' (; :' @ ;C F ': ' C : ' ;9A' 6@@: !6 ' < ' (; :' : (6 : ' ; :' A<D D< F' =C(; ' C ' DCE' =:' <DCF< :B ' :@:< : ' <(' ;C :' 9!' ?C(9 CF: ' : ?:@<C E' < ' (; :' D9 < F ' ; : :' < ' C' <:C(:' C 9' A ; : :' ? C< ' C B' B'7< 9<B' 9 9!' B:@9 C(<9 ' (; 96F ;' <(' =: ' DC E' C ' ; C??E' C' <F ;(' ;C ' 9' B96=(' = : : ' ?: (' =E' (; 9 :' 9 B<: ' 9 ' @9 9 <C ' : <@: ' C ' =E' 96 ' #' < ' (; :' =9U: ' 9!' 6 E' C :' 9 ' (; :' E@:6D ' (' (; :' : B' 9!' (; :' ?C CB: 'F 96 B' < ' ('59;) ' 1 :D9 <C ' ;6 @;
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C' C(:' :C ' 9!' C BC!!' K ;< :' (=:' 9; @;' ACF' < ' @96 :' 9!' @ (6@ 9 ' <=:' : ' <!!9(c' A ;9' !< (C .: !::B' (;< ' D :D 9 <C ' 9!' (;:' !C : ' = C :' C B' ;<' 6@@: 9 ' c ' 9 C=C ' (;:' : ' N ' B: 9 ' K: :' =9(;' :DL' :B' =E' B:C(;' 1 ' B: F9 ' < :B' (9' :' (;:' 2 C F:" <2: O!9 ' (;:' @9 ::@ C(< ' 9!' (' :' =6<B< ' @9 ?' (:B' A;: ' ;:' ACF' (<@>: ' =E' D9 (C' B< :C :' <D' 9: ' D9 E' 9!' @9 :9 C(<9 ' ?9 (?9 :B' 9 ' C@@96 (' 9!' ;< ' B:C(;' AC ' ?: !9 D :B' 9 ' (;:' %(;' 9!' 5. D C E' &0# ' =E' < ;9?' 2C B< F ' (' (;< ' B' (' ' (;:' ?? :' AC ' (< = ' (' C B' (;:' : " ?: :' ' (CB ' < 9D :B' AC ' ' & W% OOO' 9!' A ;<@;' 39 : D : (' ;CB' @9 (<=6(:B' 'TO T,R,' ;' ‹‹ :@9 =' CBB<(<9 C' 6D' L!' S '#<R #00' C B' AC '@9D ? :<:B' 9 ' (;:' &0(;' 56 :' &OT#' ;:' D9 :E' :U?: B:B' 9 ' (;:' ?< :' AC ' C. ' B' ;E' ? < A(:' = @ <?(<9 ' ' DCD E' (; 96< ;' (;:' < :(6D: (C <(E' 9!' (=:' : ' K ' 1C :' D9 : (' ;:' B9 9!' ' AC ' 6:' C ::!: '$A '9<(' Q: ' ;:' <(:' < 9AC 5::' 5C;C F< ' A ;9' C @(<9 :B' (;:' C??<<9C(<9 '(9' (;< ' ? <? e& 9!' 6D' 9!' C' % #00 ' =<@;;:' ;CB' F< : ' !9 ' C ' < 6D< C(:B' @ @ \' (9' =:' ? C@:B' < ' (;:' (9A: ' ;:' (E :' !) (=:' @;6 @;' <' :C E' F) ;' ;:' =6< B<<:' @9 [< (' 9!' C' C :' C B' C< : ' A<(;' C' @;C @:' 'TO' !::(' < ' : F(;' =E' W% ' < ' A' B(;' ;:' (9A: ' C B' ?< :' C :' &PO' !::(' ;<F;' ;:' F :C(' A< BIA' @9 (C< ' :? : :‹ (C(<9 '+'!' (;:' '!!9 < F' 6?' 9!' CC@' (;:' 3 @' !<U<9 ' C B' (;:' :: . ‹' ‹ 9!' 9< ' 9 B' < ' F 9 E' " 9?' ' D< 9 ' 9D?C (D:((' C :' B:?<@(:B' !=:' ? < @<?C ' (E?: ' 9!' (‹' :B' : (CD: (' C ' C 9' (;:' :<F' (' A<((: ' 9!' (;:' :A' : (.9: (' ' (;:' @;' @:' C :' ? C@:B' (;' M' D:D9 <C ' D2 = : Y' C B' (=:' !9 9A< F' < @(<?(<9 ' 6 (' =: 9A' (=:' ' :U?C< ' (;:<' ?6 9?9 :" M' ;< ' @;6 @;' AC ' =6< (' < D:D9 E' 9!' ($:' 9!!<@: ' A=9 <:' C ' : ' C :' A <((: ' =9 : ' C B' 9!' (;:' 9 '@9(D < <9 'B' '!!<@: ' DB' ? < C(:' 9 B<: ' (99' DC E' (9' =:' 9' :@9 B:B' A ;9' !: ' D< B!6 ' 9!' (;:<' B6(E' =E' <@> : ' 9 ' =E' (=:' K‹ B' < ' (;:' @C $?C<F O' 9!' ' < B:'C B' !‹<;C < (C ' ' '&O*0Z ,* HH ' D:D9 <C ' = C ' :(‹ ' !5<:' @;C @:' ?C :DL (' <DD:B<C(. . E' =:!9 :' (<:' C (C ' @9D D:D9 C(:' (;:' !96 B: ' 9!' (;:' @;6 @;' (;:' : ' 3 ' <. 9((' ';C B 9D:' A< B9A' < ' (;:' C?(! !: E' (: (‹!<: ' (9' (;:' C((C@;D: (' 9!' (' @9 @ :'C(' ' (9' (;:' F99B' ?C (9 ' A ;9' 6@@::B:B' ' ' <F9((' !;:' : ' ;<<?' B: 9 ' (;:' C ('9 ' ' ' Z / ' ! ' + # ' ;:' ? CE: 'B: >' ;:' ?6 ?<(' (=:' !@(: ' (;:' ‹‹C E" :(.9' C B' (;:' ! 'C :' C ' F<!(' (9' (;:' @;6' @;' 9!' A ;<@;' ' :@: (' B: ‹ :(9 ' 9!' ‹(' ;:C6(‹: ' A<(;' ?CH B9(' C= :':(;6 <C!' D ' A ‹(: "Z M' ;:' @;6 @;' ‹' @9(' 9 E' C @;‹) :@ C E' ‹;:' =: (' 9!' 96 ' @;6 @;: ' =6(' A:' DCE' C!: ' CE ' C= " 6(! E' (;:' =: (' ‹ ' B‹C' /)H = :C (' 9!' (;:' 9=6 9 ;' ‹' E (: ' 9@>' 9 ' A ;<@;' C' F99B' B: . '9!' D9 :E ' ' '

(; :' 1 K B ' 3 96 B' ;9. ' < ' (; :' D<B (' 9!' (; :' C @; 9 CF: ' C B' &.OOO' EC B ' ! '$ ' (;!.' ;' ' : :' C :' (A9' &W'(96' ' 1 ' F6 '9 ' <(' < ' < 9 '! 9 (:B' : 6? (' C B' C 9(' : ' &W'(9 ' ' 1 ' ' < ' C' (6 :(' ; :' !9<<<BC!@<9 9!' (; <.' A9 >' =C . :' =: ' @9 ?' : (:< (' C' ; :<F; (' 9!' C' ! : A' ! : :(' =9 :' ;<F;' AC(: H 9(; : '!9 (' ; C ' =. : ' =6< (' 9 ' (; :' E (: ' 99> 'C' ?C(@;' B ' C(' ;<F;' AC(: ' :.< ' (; :' 96(;' : B' 9!' (; :' C 9; 9 CF :' & OOO' $C B ! 9D' ((: ' ;9 : ' C D' * OOO' 96(; 'A : (' 9!' (; :' 1 <BB :' 3 96 B' ; :' !9 ' C(<9 '9!' (; < ' A9 >' ;< A' =: : ' 99D9 : (: B' C B' <(' < ' C D : B' A<(;' C' = \ :<E' 9!' (; : :' < :'< ' @; ' C B' (A9' *O'(9C' F6 ' 9(; : ' =C((: E ' @9 < (< F' 9!' (A9 O'(9 ' C B' (A!' : : ' ' < @; ' F6 ' < ' ' (; :' @96 :' 9!' (; :' E : C ' (9' =:' ? C@: B' 9 ' (; : D ' ; :' (; < B' A9 >' < ' C' =C((: E' 9 ' 9 ' C B' (9AC B ' (; :' 9 (;' : B' 9!' (; :' C @; 9 CF: ' & OOO' EC B ' ! 9D' (; :' ;9 : ' C B' , OOO' ! ' D' (; :' 1 <BB :' 3 96 >B' (9' =:' C D : B' A<(;' !< :' F6 ' :' A< ' =:' C' * '.9 ' F6 ' C B' (; :' !96 ' 9(; : ' A< ' =:' (A9' < :'< 9 ;' F ' C B' (A9' ,O'?9 B: ' ' (9A: ' 9 ' C' ;9C ' @C : B' (; :' M (A : :'!99(' ?C(@; I) , O9O' EC<B ' 9 (; ' : O(' 9!' (; :' 1' BB<?' 3 96 B' ; ' (A9' ,O" ?'$6 9: '9 ' (; :' !96 ' C(<9 ' 9!' (; < ' A9 >' A ; <@;' ;C ' =:: ' @9D? : (: BH' ; ; :' < ' C ' : C (; :. ' =C((: E ' A<(;' (; ' : ' < :'< @; ' F6 ' M' : ' =C " =: (' :' Y' C(' 1 C)C=C ' 9< (' 9 ' (; :' 9(; : ' <B: ' 9!' 9D=CE' C B ' !9 ' (; :' B: !: ' @:' 9!' C@>' CE ' C B' (; < ' ; C ' < @: ' =:: ' 6?? : D ' (: B' A<(;' 9 :' * '(9 ' F6 ' (A9' (: '< @;' C B' (A9' : : ' '< @;' ' 1 ' '4 F6 ' (' 9 C=C' 9< (' (; : :' < ' C' =C((: E ' C D : B' A<(;' 9 :' *O'(9 ' F6 ' C B' (; : :' < :'< @; ' F6 $O' ; :' ? 9?9 :B' CBB<(<9 ' <6' (; :' @96 :' 9!' @9 (6@(96' C B' D96 (< F ' (9' (; < ' =C((E ' @9 < (C' 9!' (A9' D9 :' *O'(9 ' C B' (A9' (: '< @; ' 9 ' &O'(9 ' F ' ' :<:'< ' C 9' ; : ' =C((: E' C(' :C@; ' 3C6BE ' > 9A ' C ' (; :' 1C; C UD<' =C((: E ' A ; <@; ' < ' C<D' B' A<(;' (9' **'(99 ' (; :9' &O' C B' 9 :' &W'(9<$' F6 ' A9' < 9 '@ 6B' D9 <!:' C' (; :' =E < <CY' C B' . ; :' M' 1 C!!B. C))' ?:@<C E' B: <F :B' (9' C<B' < ' (; :' B: !: (<@:' 9!' ' 9D=CE' ; C =96 ' C < :B' (; : :' :C E' < ' &O%W ' (; :< ' C DCD : (' (' L (' 9!' !96 ' (: '< @; ' F6 ' < ' (A9' (6 : ' C B' (A9' %'?96 ' B: ' :C@; ' ' 9 '' : ' 5: 9< ' :?9 (:B' 6?9 ' (; < ' @; : D :' !9 ' (; :' B: !: ' @:' 9!' 9D '' BCE' ; C' ; 96 ' < ' ? < ' &O%W' 2 :' ?' < (:B' 96((. C' (; :' 6D : 96 ' B6(<: ' <D?9 :B' 6?9 ' C' C' F9< F' (<' :(' :9 B: ' C' B: ?:< ' B: @9' 6?<D' <(' !9 ' (; :' B: !: @:' 9!' ; C ; 96 ' \ ` ': C= : ' C B(; '<(' ?9 (' C B' @9C < F' (C(<9 'H D6 (' (; : :!9 : ' =M$: B: '⁄ C:@6 H' <9B: ?: (' E' 9!' (; :' C@(<9 ' 9!' C ! : : (' 1 9 <(9 ' 9 ' ! 9C(< F' =C((.<<:P ' C (; 9 F=' (; :E' C' D9 (' C 6C :' C6U< <C <: '< ' 99 << @<9 ' A<(; ' !<U:B' B: !: 9 ' D6 (' 9(' =:' :U@ 6 < : E' : <:B' 6?9 ' ; :E' C!!9 B' C ' 6 (:CBE' F6 ' @C <2F: ' C :' 2C' :' (9' =:' < : :(C(. B' =E' (; :' :6 ' 9!' M;HH ? : : (' BCE ' C B' DCE' =:' 9 B: :B' CAC ' ! 9D' C' ?C << C ' 9 (' !9 ' F: <: C ' : <@: ' :' <D?9 (C (' !6?9@< ' 9!' ! 9C(< F' =C((: : ' 9 1' =:' (9' F6C B' (9 ?: B9: ' C(' <F; (' C B' ? : : (' C ' : : DE) ' =9C(' ! 9D' (CD?: < F

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F6 =9C(' C B'&O' 6<(C= :'F6 =9C('@96 B' =:'? 9 <B:B'!9 '(;:' CD:'
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B:!: @: ' 9!' 9D=CE ' 9 9 : ' 5: 9< ' ?9< (:B' 96(' (;C(' C '
: :DE' D<F;(' : (: ' (;:' ;C =96 ' ?C < F' T 000' EC B ' ! 9D'
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D: B ' (;C(' !9 (' ;96 B' =:' =6< (' C(' (;:' : (C @:' 9!' (;:' ;C [
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A<(;'C' 99>E' =9((9D ' 2:' A96 B' =6< B' (A9' 6@;' !9 (' @< @6 C '
C B' :C@;' A<(;' :<F;(:: ' W#'(9 ' F6 ' ' 9 :' < ' **' !::(' 9!' AC(: '
* P00' EC B ' ! 9D' 9 C=C' 9< (' C B' (;:' 9(;: ' 9 ' A;C(' < ' @C :B'
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=:' # ,00' EC B ' ! 9D' :C@;' 9(;: ' A<(;' C' !9 (' 9 ' 9 C=C' 9< (' (9'
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6 B: ' (;:< ' FC? ' =E' : :@(<@' (9 ?:B9: ' ? C@:B' < ' (;:' @;C : ' C B'
:U? 9B:B' =E' 9= : C(<9 ' ! 9D' (;:' !9 (' ' A;< :' (;:' (A9' D9 <(9 '
C B' (;:' (; :' F6 =9C(' 9!' (;:' ' CQ: HH' @ C ' @C E< F' W#'(9 '
F6 ' A96 B' @9D? :(:' (;:' @;:D: ' ;:' @9 (' 9!' 6@;' C' E (:D' 9!'
B:!: @: ' < @ 6B< F' (;:' F6 =9C(' AC ' : (<DC(:B' C(' P*W 000G'
;:' ? : : (' D9B:' 9!' B:!: B< F' 9D=CE' AC ' B:(: D< :B' 9 ' =E'
C' 9DD<((::' A;<@;' ;CB' =:: ' C??9< (:B' (9' : V6< :' < (9' (;:'
6= :@(' C!(: ' (;:' B:!: @: : ' (C(:' 9!' (;< ' @<(E' ;CB' =:. ' = 96F;('
=:!9 :' (;:' 9(<@:' 9!' (;:' 39 : D: (' 9!' B<C ' (; 96F;' ? : 6 :' 9!'
(;:' :? : : (C(<9 ' 9!' (;:' 9@C ' ;CD=: ' 9!' 9DD: @:' (9' (;:' 39 [
: D: (' 9!' 9D=CE ' K:' ;C :' C (9F:(;: ' B< (<=6(:B' CD9 F' (;:'
C <96 ' =C((: <: ' 9' : ' (;C ' (: ' (;< (E':<F;(',9 ' <6:' (: '(9 '
!<!(:: ' < :'< @;' 9 ' (A: :'(9 ' !96 ' : : '< @;' C B' (A9' !9 (E''
?96 B: 'F6 ' A<(;' C ' CBB<(<9 ' 9!' C' <:F:'(C< ' 9!' <U(E'!96 ' C B'
!9 (E'?96 B: 'F6 ' A;<@;'< ' >:?(' !9 ' <DD:B<C(:' 6 :'C(' C E' 9!' (;:'
=C((: <:
?? 9C@;< F' 1<BB :' 9 C=C ' A:' @9D:' 6?9 ' (;:' :C <: (' <F ' 9!
g' ' ' ' (;:' @9DD: @<C ' : (:<? < :' 9!' 9D=CE
%% - ' ' ;:' !9 : ;9 :' : :' < ' : E' 9@>E' C B
B<!!<@6 (' 9!'C?? 9C@; '=6(' 1 : ' ' C 99 ' C B' 9D?C E' ;C :' @9 [
(6@(:B' C' B9@>' C B' =6 B: ' +A;C !R' 9 ' C' ?<:@:' 9!' C B' ?6 [
@;C :B' C(' C' : E' ;<F;' ? <@:' ! 9D' (<:' C(:' C@>' CE' 9D?C E'
;:' 9?: !@E' AC ' C(' C' C(: ' ?: <9B' ?6 @;C :B' =E' 39 : D: ('
9 ' =:;C !' 9!' (;:' 9 (' 6 (' ;:' =6 B: ' < ' @9D?9 :B' 9!' C B'
. C<? :B') ' (;:' :C ' C B' (;:' B9@>' ;C ' 8=:: ' :U@C C(:B

! 9D' (; :' 9 <B' 9@>' C B' ;C ' 9A' C ' C : CF:' B:?(;' 9!' :<F;(:: '
!: : (' 9!' AC(: ' 9 ' (; :' < ' ('< ' (; :' !< ('A : (' B9@>' (; C(' AC ' =6< ('< '
9D=CE' (9' : C= :' C F:' ;<? ' (9' B< @;C F:' C B' 9CB' C 9 F <B:' C'
A;C !' ' (; :' :@ C<D :B' C B' ?C@<96 ' AC : ;96 : ' !9 ' (9 < F'
F99B ' ;C :'=: : '=6< ('!9 ' ;!: ' 3 C;CD' C B' 9' 'C B' C' 9((9 ' : '
9D?C E' < 'C 9' : (C= < ; :B' ; : ' :U('< ' 6@@: <9 '@9D : '(; :' <@[
(9 <C' 6 B: 'C B' C < '(; :' C?? 9C@;' (9' A ; <@;'< '(; :' ' K ' D9 99 '
< ' 9(' : E' F99B' (; 96F ;' A ; : ' 9 @:'
<@(9 <C' 6 B: 'C B' C < < <B:' (; :' =C < ' (; :' =9C('C :' < ' (< '
AC(: ' ;< ' =6 B: ' < ' 9(' 6 :B' : E' D6@;' C ' C' C B< F'<. C@: '
=6('C' F99B' B:C '9!' @9((9 '< ' ;<??: B' ; : :

; :' 36 ' C <CF:' C < ' ;C '=: : 'F< : '6?' (9' (; :' ' 'C B' '
C< ACE' 9D?C E' A ;9' ;C :'=6< ('(; :'
3'6 ' C <CF:' 6 B: ' (: D< 6 ' 9!' (; :< ' < :'C('(; < ' ?C ('9!'
9 C=C
K :' 9A' ?C '(; :'? 9?: (E' 9!' (; :' 9 C=C' C B' 9D?C E' A ; <@; '< '
@9 : :B' A<(; ' AC : ;96 : 'C B' ? : : '
; :' (; 6 ' 6 B: C B' ;C ' C' =<DB: ' 6 < F' 96('C '
?<: '< (9' (; :' ;C =96 ' (; 6 ' 6 B: 'AC '!9 D: E' 6 :B' F: : C E'
!9 ' C B< F' @C F9: '! 9D' (; :' : : '< ' ;C =96 ' ' =6(' CA' @9((9 '9 E'
< ' 9A' 9@@C <9 C E' C B:B' C B' !6 '? : :B' =C : ' ;<??: B

; :' 39 : D: ('39C' :?9('< ' <D? E' 6 :B' !9 ' C B< F' 39 : D: ('
@9C ' C B' (9A< F' <(' 9(; ' (; :' C?9 9C@;
9 : DD: (' 9C' :?9(' .C < '<(: !' C :' : E' 99>E

; :' ?9 9' :@ CDC(<9 ' A ; <@;' (:(@; : ' ! 9D' (; :' B:?9('(9' (; :'
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8 '9) ' ;<??< F!6 '? : :B@9((9

K :' ; C :' 9A' :C@; :B' (; :' @: :' 9!' (; :' ? < @<?C ' =6 < : ' 9!' (; < '
DU' ' ?9 (' ' 9D=CE' < ' :U(' (9' :A
:' 9' 3 :: ' :C ' (; :' C F: ('@9((9 ' ?9 ('< ' (; :
A9 B' (; :' +<(9 ' 3 :: '9 ' DC >: ('< ' 9 C=C ' C=96('C' V6C (: '9!' C'
D< :' ! 9D' (; :' N9 ('< ' V6<(:' A9 (; E' 9!' C' < <(' !9 ' C E' 9 :'< (: : (:B' 8
:<(; : ' ' (; :' (CB:' 9 '< ' (; :' ?:@6 <C ' ; 6 < :C '@6 (9D '9!' B<C ' ; :'
M 3 :: Y' 9@@6?<: ' C ' :U(: (' 9!' F 96 B' 9 ' :<(; : ' <B:' 9!' 9 C=C'
C6 :ACE' 9!' ?: ; C? ' C' D< :' C B'C' ; C !' V6C :'< ' C ' :C@; ' C(< :'
B:C : '9 ' CF: ('(: (< F' C' ? 9('? 9?9 (<9 :B' (9' (; :' :U(: ('9!' ;< ' =6 <[
: ' A ; <@; ' < ' (: D:B' ; < ' M' 5C(<C Y' ; :' 9((9 ' U@; C F:' < ' (; :'
F: : C ' D : : (< F' ? C@:' = : (A : : '=6E: 'C B' : '=6 < : '=: F< < F'
99 'C!(: 'D<BB < ' ; :' 6 9?:C ' D: @; C ('(; 96F ;' ; < ' ' 9 '
= 9>: ' C C F:' (; :' ? <@:' C(<B' (: D ' 9!' ?6 @; C : Z C' DC((: ' A ; <@; '
9A< F' 9(<:' C(< :' 9 :'9!' =C FC< < F' < 'C' D6@;' D9 :' : F(; E' ? 9[
@: : B< F' (; C ' <(' A96 B' =: ' < ' F C B Z C!(: 'A ; <@;' ; :' ? 9@: : B ' (9' (; :

: (' A>: :' (<:' =6 >' 9!' (; :' @9((9 ' <: '< ' (; :' ?C@>CF: ' C ' :@:< :B' ! 9< ' ?'96 (E' C B' : :@('<(' =C :' =E' =C : ' (CD ?< F' A<(;' C' ? < C(:' DC >' A ; C(: : ' @9D : ' 6?' (9' (; :' (C BC B' =96F ; (' C B' : :@(< F' C E[(; < F' < !: <9 ' ; :' @9((9 ' < ' (; : ' A :<F ; :B' C B' : (' (9' (; :' ? : ' ;96 : ' A ; : :' (; :' 99 :' @96 (E' ?C@>CF: ' C :' 9?: :B' 96(' C B' (; :' @9 (: (' ?'96@>:B' = ' :U(: D : E' ?9A : !6 ' ? : 6 :'< (9' =C : ' 9!' C=96(' &0' @6=<@' !: : (' @9 (C< < F' *.' @A(' :(' 9!' @9((9 ' ; :' CD :' V6C (<(E' 9!' @9((9 ' ? :CB' 96(' 99 : ' A96 B' 9@@6?E' C' ?C@:' 9!' &#0' @6=<@' !: : (' A ; : ' (CD ?:B' =E' D : ' < (9' B9@ C ' +@96 (E' ?C@>CF: R ' C' ?C@:' 9!' O*' @6=<@' !: : (' C B ' A ; : ' M ; C !Y' ? : :B ' C' ?C@:' 9!' C=96(' #0' @6=<@' !: : (' \ ?AC B ' 9!' C' D< <9 ' C B' C' V6C (: ' 9!' !6 E' ? : :B' =C : ' C :' :U?9 (:B' C 6C E ' C B' !9 D : E' (; :' : (< :' V6C (<(E' @CD :' 9 <F< C E' (9' 9D=CE' < ' C ' 6 ? : :B' (C(: ' !' C(:' E:C ' ; 9A : : ' C' C F:' .< 9?9 (<9 ' 9!' (; :' @ 9?' ; C ' =: : ' =96F ; (' C B' ? : :B' :CBE' !9 ' ;<?D : (' =E' 6 9?:C ' CF: @E' ?'@96 (E' A<(; 96(' (; :' < (: : (<9 ' 9!' (; :' C(< :' B:C : ' 9' (; C(' !9 ' C=96(' (A9 '(; < B ' 9!' (; :' (< :' :U?9 (' 9D=CE' ; C ' 9A' =:@9D :' 9 E' C' ;<??< F' ?9 (' ; :' @9((9 ' :C 9 ' 9?: ' A<(; ' (; :' =:F< [< F' 9!' (; :' C(< :' =6 < : ' E:C ' C(' (; :' :AC : : ' < ' (; :' D9 (; ' 9!' 9 : D=: ' A ; : ' (; :' B:C : ' = < < ' 96(' $9 (; :< ' : L ' (; :' :DC< B: '9!' (; :' ? : <96 ' @ 9?' A ; <@; ' ; C ' =: : ' >: ?(' < ' (9 :9 : ' (; :' C< @ C B' ! 9D' (; C(' (<D :' 6 (<' (; :' D9 99 ' CFC< ' = :C> ' C=96(' (; :' =:F< < F' 9!' 56 :' (; :' ? C@:' !9 D ' C' (<>< F' ?<@(6 :' 9!' C@(< :' =6 E' <!: ' : B: :B' ?:@6 <C E' = <F ; (' C B' C((C@(< :' =E' (; :' < F6 C ' C B' C <:B' @9 (6D : ' 9!' (; :' ?:9? : ' : ' 9!' : : E' @9 96 ' C B' DC>:' C :' :? : : (:B ' ! 9D' (; :' ? C< 'M' 9 C ; ' (9?: :' Y' C B' A ; <(:' B < ' 6<(' 9!' (; :' 6 9?:C ' D : @ ; C (' (9' (; :' F9 B' : D = 9<B: :B' ; CA ' 9!' (; :' 6?'@96 (E' ; 9!!' 9 ' C(< :' =C >: ' ; :' =6 <: (' (<D :' 9!' (; :' E:C '< ' < ' (; :' D9 (; ' 9!' 1C @ ; ' ? < ' C B' 1CE' C B' (; C(' < ' 9!' @9 j' (; :' =: (') ' ' :' (; :' 3 :: ' =6=' <(' A< ' A.:5' :?CE' C' + ' % /' DC >:(' ; 96 ' C(' C E' (<D :' B6 < F' (; :' 9?: .' :C <9 H \ (< ' A<(; < ' (; :' ?C (' !: A' E:C ' (; :' F: : C ' ; 96 ' 9!' C((. BC @:' A:H:' ! 9D' ; C !'?C (' <U' (9' < :

9, 4 CF %(& E ' ' `1 <

B C< ' A ;<@ ;' C :' ! C ; :B' (A<@:' BC< E' ! 9D' @< (: ' ?:@<C E' 99 H'
(6@(:B' !9 ' (; :' ?C (?9! ' (; :' (C= : ' <' ' : :B' C ' C'
;9 ?<(C ' A ; : :' <L'>' 9 ' < 6 :B' ;9 :' :@:< :' (; :' =: (' @C :' C B'
(:C(D : (' (; C(' :(: < C E' >< ' @C ' ? 9 <B: ' ((C@ ; :B' (9' (; :' (C= : '
; :' (; :' A9 > ;9? ' !<((:B' A<(;' (;..' D9 (' D9B: ' DC@ ;< : E' CL<B'
C?? <C @: ./' C B' A ; : :' : : E' ? 9@: ' < ' (; :' DC 6!C@(6 :" 9!' @C ' DCE'
=:' : : ' < ' !6 ' 9?: C(<9 ' ! 9D' (; :' @6((< F' 6?' 9!' (; :' (:C>' < 9' 9.< ' (9'
(; :' ?C< (< F ' C < ; < F ' C B' N : @; H' ?9 < ; < F' 9!' (; :' !< < ; LB' @C '
; :' CD ACE' < ' A9 > :B' : E' 6@@: !6 E' < ' 9D=CE ' ; C < F' < : '
(; 96F ; ' : : E' ?C (' 9!' (; :' @<(E' C B' < ' C' F :C(' @9 : <: @: ' (
? : : (' (; : :' C :' &, ' D< : ' 9!' (CD ACE' 9?: ' < ' (; < ' @<(E ' (; :' 6D=: '
9!' ?: 9 ' @C <:B' =:< F ' 9 ' (; :' C : CF: ' , W 000' BC< E

K :' ; C :' 9A' = 96F ; (' (; :' < <(9 ' (9' 9D=CE' C ' !C ' 6?' (; :' ; C =96 '
C ' (; :' ?9 9' 6 B: ' ; C < F . ! 9 ' @9 "'
?9 9' 6 B: ' : <: @:' C>: ' B: @ <=: B' (; :' ? C@:
9!' < (: : (' 9 ' (; :' (. CE ' A ; <@ ;' ; :' D CE' < <(' C(' ;< ' :< 6 :' A ; : '
; :' @9 D : ' C ; 9 :' ?9 9' 6 B: Z K : < F 9 ' <: ' AC ' (' 9 :' (<D :'
(; :' 9! <@<C ' B' <F :C(<9 ' =6(' <(' AC ' : ' 6 :B' < ' @9 D D ' ?C C @: r'
AC ' 6 (<' @(9= : ' &OP#' (; :' @; <: !' C B< F' ? C@:' !9 ' ?C : E: '
=6(' <(' ; C ' 9A' ; CB' (9' F< :' (; :' < ; <@:' 9!' ; 9 9 ' (9' (; :' C C B' <: '
; :' ?9 9' 6 B: ' < ' L!' @9 D ?C C(< ? E' :@: ' (' BC(: ' (' <CD :'
M ?9 9Y' < ' C ' F < = @9 6?(<9 ' 9!' (; :' C(< :' A9 B' . M R' +!< ; R . '
C B' <(' AC ' ? 9=' = E' 9(:U(: B :B' C B' = 96F ; (' < (9' 6 :' !9 '
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< ' (; C(' E : C ' C ' (; :' : A' =6 B9 ' 6 ' 96(' ! 9D' (; :' ? C CB: ' (' ; C '
9!' C(:' E : C ' ; CB' @9 <B: C=) :' CBB<(<9 ' DCB :' (9' <(' < ' =9(; ' : F(; '
C B' = : CB(; ' C(' C' (9(C' @9 (' 9!' f , # 000' 6 B' (; :' = 9CB' ?< : '
; : CB< A =:' !C 96<<(:' ? C@:' 9!' : 9 (' !9 ' 9D=CE' 9@<: (E'
< ' (; :' : < F' A ; : ' (= :' < ' 9' =C B' ? CE< F' C(' (; :' C B (CH' B '
9 :' 9 ' ; : ' 9!' (; :' =C B ' 9!' (; :' 1 C < :' C((C ; ' H' (; :'
9D=CE' 9 6 (: : ' <! : ' C B' (; (' 9(; : ' =C B ' 9!' C(< :' C B'
9?:6 ' .F<D: (' !9 D< F' (; :' FC < 9 ' 6 6C E' ? CE< F'
; : :' (A<@:' C' A : : > ' ; : :' < ' CD? :' (C B< F' 9L' D' ; : :' !9 '
: : C ' @9 :' 9!' @C <CF: .' C B' (; : :' C :' :! : ; D : (' 99D ' C'
` (9DH=96 : ' C' ?9 ('9! @A ' C B' C' ?6 @:' @=9A > . E' + (C(<9 ' ; 96 : R

' < 1 ' K : (9 ?' F< : ' C' B<!!: : (' B : < C(<9 ' 9!' (; :' 'A9 B" M < 9 ' C' @9 [
6?(<9 ' 9!' AC B : < : B' ! 9D' . ' A ; <@ ; ' (: ' ((<C' D : C ' C' !<F ; (< F' : : '
=E' A ; <@ ; ' >< B' 9!' @ C!(' (; :' 9@C <(E' AC ' ? 9=C= E' ! :V6: (: B' N 9D' T&AC'
9 ' AC ' (; :' =6 B : ' 9A' @C : B' ?9 \ 9 ' < ' 6??9 : B' (9' (<>:' <(' C ' : ' '
(; :' D : D9 <C ' 9!' C F C (' 9!' C B' BC(: B' #(;' :@: D=: ' &%, . ' =E' 39 : D : (' '
(9' S C' 19(C ' < ' :U@; C :' !9 ' C ' (C>: ' ! 9D' ; <D' CH' <(:' !9 ' ?C (' 9!' (; :'
!9 (' AC ' (; :' ? >; CB. ' < ' `6: (<9 ' @C \ : B' . ' K3 : ' $) : ' '
9 / 5' 2 <F ; ' 96 (' :?9 (' 9 ' ' C .' R

K @=' ;C :' =: : ' @9 << : C(: E' =6< (' 9 ' (=:' =(DB: ' !9 ' (=:' @@9D D9H' BC(<9 ' 9!' ?C : F: ' ;:' =: :!<(' 9!' (; :' (9@(9 :' : :'@(:B' C(' (; :' ; :CB' 9!' (; :' ?9 9' 69 .: ' @C ' =9 A: 'C?? :@<C(:B' =E' !; 9 :' A ; 9' ;C :' =CB' (9' :(C< ' (<> B< F' A ; < :' AC<(< F' !9 ' = C(' 9 ' FC E' < ' (; :' 6 ' ; :' = < B< F' < ' &0O' !: : (' < ' : F(; ' C B' < ' 6??9 (:B' =E' (A : (E'' !96 ' @= 6(; ' ;:' ?C < <9 ' ; C ' =: : ' 99 (D@(:B' C!(: ' (; :' 9 C' : :' (E :' !' !' C @; <(:@(6 :' C B' < ' 9?: ' 9 ' C ' C<B: ' ;:' @: 9< :' 99!' ' ?CF9BC' ; ??B.' C B' ' : ' (9' C' ; :<F ; (' 9!' O, '!: .(' A ; < :' (=:' 99!' 9!' (=:' A< FC' <O #!H : (! 9D' (; :' F 96 B' =:' ?2 < 9 ' < ' C9 99@ (D9(:B' (; C(' <(' @C ' =:' :U(: B:B' 9 ' : D9 :B' <!' :@: C E' < ' W, ' ; 9D < ; :' ?< C ' C :' ? 9!C ! E' B:@' C(:B' A<<;' @C < F ' C B' (; :' D9 9F C(<< 9!' (=:' 9 (' 9 (' @96< <: ' C' @9 '?<@996C' ?9 < <9 ' 1 ' 3:(' F:' D<:(9 ' AC ' (; :' C @; <(:@(' C B') ; :' A9 > AC ' @C <:B' 9C(' C B:@' (; :' B< :@ <9C' 9!' 1 ' K ' V6< : ' 1

2 ' 1 1 ' N' 2 '

' !9 :F9< F' 9; <?(: ' C ' C((: D?(' ; C ' = . : ' DCB:' (9' B: @ <; :' (; :' F CBC <F' F 9A(;' 9!' 9D=CE' !<(' D' (; :' !< .' 9@@6!' C!@<99 =E' (; :' <(< ;'' A ; : ' C(' =<F ; '((B: ' <(' AC ' C' 99 :@(<9 ' 9!' < :(G ' C B' C(' 9A '(<B:' C' ?: (< : !C ' ACD?' (6BB:B' A<(;' : D< (: @: ' (=9)' (9' (; :' 9 (;' C B' A: (' @9 :' :B' A<(;' 6 F :' C B' 6 < ; C=<(:B' ' (; 9 .' (9' (? :' : C ' C ' 1 CQCF9 C' B' 9 F : :' ! 9A 9 < 2 < ?' B:(' . E' < ; C=<(:B' =E' (; :' ?(' 9' : ' @ C : ' C B' :?C C(:B' ! 9D' (; :' 9 (' +A ; : :< ' < :B' 6 9?:C ' C B' A:C' (; E' C(< :' ?' =E' (; :' : F(;' 9!' ((':' .? C CB: ' (9' (C : :' A; <@. . ' :U@:?(' < ' =' LCB' BCE <F.' (' 'C ' (9' 6 ' ((:' < > 9!' 9 ' =: E' E B' U C (:C' D: (' =E' ; 9 B: ' 9!' 6!bC ' A ; 9' < !: (:B' (; :' <'>< (' $' (; :' C(< :' (9A '! B' : ?: @<C E' CE' < ' (C<(' < ' C' B: : ?' ; 9 9A' 9< C < :' (' (; :' <(: ' 9!' (; :' ? ' : (' M' (; 6 ' C $!9 B' Y' 1C >: (' ;< ' (C(: ' 9!' C!!C< ' @9 (< 6 :' B' 6?' (9' (; :' : B' ' !' (; :' C (' @: (6 E ' =E' A!C) ;' (<D :' (; :' =9 :!<9' CH :!!: @(' 9!' (; :' 2' H =E' : ; C B' 0 % ' ?' F :' 2 R' =: FC ' (9' =:' : @' < :B ' < ' (; :' B E< F' 6?' 9!' (; :' ACD? ' ; :' (9A ' F<CB6C E' @ :?(' 9 : ' (; :' ?@<C<< (B' ; <: ; ?!' F 6 B ' A: (AC B' C 9 F' C@>' C ' C B' 9!(AC B' 9A!< B. < EL(6 C' ; :' CB C @:' D6 (' ; < :' =:' ' $ E' 9A ' !'$' <(' AC ' 9(' !@<' < ' 9=: (' 3 C ' (' (: D' J!' 9!!<@:' C ' 39 : 9 ' < ' &O*#' (; C(' (; :' :@: <!@E' !9 ' @' D6 '<@CB9 ' =:(A : : ' ;9 ' ?C(<E' +3' F 6D R' C B' E@ C' :B' (9' (; :' @9 (6@(<9 ' 9!' (; ' F :C(' DC< ' 9CB' CD(' B' C!(: ' <; CH 39 [: 9 ' C(: ' k ' C 9(; : ' DC(' (; 9 9< ; !' :' (9' (; ? 9 (; '9! ' C B' ?C C [:' !9 ' 3 C (' !CB' AC ' @9< (6@(:B' =E' 3 : : C ' @ C Z(; :' A9 >[?:9? :' : 9!' 9 ' <(' =:< F' !C< <(< : ' ! 9I 6 C(' B6 < F' : C 9 ' 9!' !C< ' < : '' C' B' C ' <B' C!(: ' ;<D ' 1 <=C ' 2' ' H @;' C BE ' C B' 1 C ; C 6UD : ' =:< F' (; 6 ' 9?: :B' 6?' 9 ' (; :' A: (' (; :' 6 9?:C ' C B' A:C (; E' C(< :' ?9?6 C(<9 ' =:FC ' (9' D<F C(:' (9' (; 9 :' :<F ; =96 ; 99B ' 9 ' DC E' E:C ' ; 9A : : ' C!(: ' (; :' @9D? : (<9

<2 <) ' : ' ' 1

9!' (;:' : C < ' :D=C >:B' 9CB ' A<(;' <(' (A9' FC?< F' = C@>' B<(@;: '
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AC ' C((:D?(:B' < ' 9D=CE' ' C B' <(' AC ' 9(' 6 (<' C!(:' (;:' D6(< <.'
C B' (9AC B ' (;:' : B' 9!' 9 B' ?;< (9 :. ' (: 6 :' 9!' 9!!<@:' (;C('
(;:' <(E' (;:A' 9!!' <(' C?C(;E' C B' =: (< :B' <(: !' < ' (;:' DC((: '9!'
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' F :C(' <D?:(6 ' (9' (;:' D9 :D: (' AC ' 6 B96=(:B E' F< : ' =E'
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;:' AC C' 9!' (;:' =6< B< F' C :' 6== :' DC 9 E' !C@:B' A<(;' 99 C' S;C6B>< =6!!'99 96 (B' !C@< F ' ;:' 96(' (9 :' A9 >' 6@;' C ' C @;: ' @9 <@: ' (< F' @96 : ' L=@' C :' 9!' N9 :=6 B: ' (9 :' ' (;:' ! 99 ' C :' 9!' @9 @ :(:' A<(;' (< : '9 ' ;< C' D9 C<@' C<B' (;: :9 ' 6??9 ([:B' 9 '96(' (:C>' 9< (' C B' =:CD ' ;:' 99! ' C :' 9!' 96('(:C>' @9 : :B' A<(;' 1C FC 9 :' (< : ' ;:' !<!(;' 9 '(9?' ! 99 ' < ' (;: :9!' ;C ' =:: ' C C F:B' !9 ' : C ( )' V6C (: '' F< < F' C@@9D 9<9BC(<9 ' (9 ' !9 (E' <U' : C (' ;:' 99(? ' C E' < ' <Q:' ! 9D' &*' !('a' &Ơ' !('(9' &% !('a' &% !(' ;< ' ! 99 ' ;C ' C' !< :' : <@:' C<B' 9 ' A<(;' ;EB C (' ;9 : ' C B' =6@>:('C ACE '< ' :CB< : ' < ' @C :' 9!' !< : ' ;:'= <<B< F' < ' <F ;(:B' (; 9 F;99('=E' (;:' : :@(<@' <F ;(' C B' !<((:B' (; 96F;96('A<(;' : :@(<@' =: ' 1 : '59; ' N :D< F' C B' 3C' A: :' (;:' @9 (C@(9 ' !9 ' (;: ' !9 D: 'C B' 1 : '59 (' C B' 9 ' !9 ' (;:' C((: ' ;:' ;:<F ;(' 9!' (;:' =6< B< F' ! 9D' F 96 B' : :' (9' (;:' !<!(;' ! 99 '9 ' (: C@:' : :'< ' C=96(' *#' !::(' ;:' @9 ('9!' (;:' =6< B< F' :U@ 6 < :' 9!' : :@(<@' <F ;(< ' C=96(' ' * 00 000' 1 : '5:: C :' 5C(=C :9' 1< (E' ' 9 ' A: :' (;:' @9 (C@(9 '!9 ' (;:' = <<B< F' 1 : ' S<9;C B 9 'C B' BBC ' !9 ' (;:' B C< CF:' <!(' AC(: ' 6?? E ' L=@' 'C B' 1 : ' KC B: ' C B' 7 &' A: :' (;:' @9 (C@(9 ' !9 ' (;:' 9 CD: (C ' (< :' C B' F C ' A9 >' 1 ' ' 1 ' C C<' ' 3 ' N ' AC ' (;:' @ : >' 9!' (;:' A9 > ' < ' @;C F:' 9!' (;:' =6< B< F' B: ' 1 ' (: : ' ;:' = <<B< F' AC ' @9D D: @:B' 9 ' 1C @;' & (' &OP#' C B' @9D? :(:B' 9 ' *0(;' 9 :D=: ' &OP%

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`<<:U(' (9' <(' C :' (A9' DC : ' =6< B< F ' =9(; '=E' < ' 3 < =: (' @9((' g' ' ' g' -' (; :' !< (' (; :' : C(:' 9 ' < ' 9AC ; : (D< B(E : C(: 2 C ' ; C F ; < ' 2 C ' 9!' (; :' \ < : <(E' (; :' :@9 B' (; :' \ < : <(E' <= C E' C B' C C=C<' 9@>' 9A : ' ; :' C @ ; <(: @(6 :' 9!' (; :' : C(:' 2 C ' < ' 9!' C ' :C E' N : @ ; ' (E ? :' 9!' (; :' &*(; ' @: (6 E ' ; :' ; C ' < ' &0, ' !: : (' < ' : F(; ' =E' , , ' !: : (' < '= : CB(; ' A<(; ' C' ; : <F ; ('9!' T*' !: : (' (9' (; :' C ? : U' 9!' (; :' F 9< :B' @: < < F' A<(; ' C' : D<'@< @ C 'C ? :' 9!' *O' !: : (' B<CD : (: ' : ?C C(:B' ! 9D' (; :' ; C ' =E' C '<D ?9 < F' C @ ; ' 9@@6 ?E< F' C' ?C@:' 9!' %' !: : ('< '(; :' : F(; '9!' (; :' =6< B< F ' ; :'! 9 (' @9 <B9 '< ' &&' !: : (' C B' (; :' C<B:'@9 <B9 ' '!: : (' = 9CB' < '(; :'@ :C ' ; : :' < 'C' FC : E' 96 B' (; : :' <B: ' 9!' (; :' ; C ' ' !: : (' < ' = : CB(; ' 6??9 (:B' 9 ' 9 CD : (C ' < 9 ' = C@>: (' C B' :C@; :B' =E' (C< @C : ' < ' 9@(CF9 C ' (9A : ' C(' :<(; : ' <B:' 9!' (; :' : (C @ :' ?9 @ ; E' ; :' !C@< F' < '9!' 99 C' ; CDD : 'B : :B' $= :' < ' ' @96 : '9!' W' < @ ; : 'B :?(; ' ?9< (:B' A<(; ' 9 (C B' @:C : (' ; :' ? < (; ' < ' B=< : 'B : :B' 99 C ' =C : ' @C?<(C ' 99D<@: ' C B' C ' 9(; :

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D9B: < F'9!'(=:'FC F9E : '(;C('@C E'(;:'AC(: '! 9D'(;:'F`((: ' ;9A ' C'AC ('9!'(;:' > 9A :BF:'9!' C (9DE('C;B' (;:' !< <C '9 : ' (;:' = ($' (: : '(99 ' C :' C(;: ' : 9B: ' ;:' CD :' :DC >'C?? <: ' F: : C E' (9' (;:' @C < F' =<(;' 96(<B:' C B' < ' A<(;' : E' !: A' :U@:?(<9 ' ;:' !9 <CF:'(9'(;:'@C?<(C '<(' A< ' =:' 9(<@:B'<'<' DC E'< (C @: ' 96('9!' B (:' A<(;' (;:'=C< B< F ' 1C E' ;<(' 9!' (;:' @C < F' (99 ' ;C :' : <[B: (E'=:: '(C>: '! 9D' A: '> 9A ' 96 @: '< 6 (C(:B'=E' ;C B' < E' ! : C '? < (C B'C :'6 D:C < F'< ' !9 D' C B' 9=C C9(: ' ('< '(9' =:' :F :(:B'(;C('AC ' (9'=:' ;CB' < ' 9D=CE' !9 ' (;< ' ?9 (<9 '9!' (;:' A9 >' (' ::D ' (9' '(;C(' !9 ' C'= < B< F'9!' 6@;' <D?9 (C @:'<('A96 B';C :'=:: 'CB < C= :':<(;: ' (9' ;C :' 9=(C< :B' ? C (: 'D9B: ' ! 9D' F C B' !9 ' C ' (;:' @C :B' A9 >' 9 ' (9' ;C :' : FCF:B' (;:' 1 <9: '9!'C'@9D?:(: ('D9B: : '! 9D' F C B' ' H ;:'< (: <9 '9!' (;:'=6< B< F'C @;:B'9 : '=E' DC < :' <= '9!' (9 :' 'C B'? : : (< F' 9 :' 6 = 9>: ' < :' 9!' 99!< F'! 9D' : B' (9' : < '< [(: :@(:B'9 E'! 9D'(;:'C? :' =E' (;:' C F:'C @=' @9 :E '(9'(;:' D< B' =6('9 :'<B:C'(;C('9!'F C B:6 ' N 9D'C '?9< ('(;:' <:A'<' :V6C E' C(< !C@(9 E' ;:'= C@>:('(;C('6??9 ('(;:' FC : E' C B' (;:' C< [< F' C<:' < B::B' =:C (<!9' ?<:@: ' 9!' < 9 A9 >' ;:' B: <F ' A: :' !6 < ;:B' =E' 1 ' 1 9 :@:E' A;9' ;C ' =:: ' (;:' C @;<(:@('' : (6 (:B'A<(;'(;:'B: <@C(:'(C >' 9!'? :?C < F'(;:'A9 >< F'B CA< F ' C B':C E< F'96('< '+d' @9(() ' B: <F ' ;:'@9 96 :B'B:@9 C(<9 '9!' (;:' = C@>:('<' 9('V6<(:' ? :C < F' ' C' AC D:' (9 :' ;9 B' ;C :' ?: CB:B'(;:D ' =C('(;:' < (9B6@(<9 ' 9!' (;:' F< B< F' ;C ' =:: ' <6B<9<96 ' C B' C?? 9? <C(:' ;:' < 9 ' C< < F' A<(;' <(' 9 :'(< ('9!' 6 ('@9 96 '?<@>:B'96('< 'F9 B '< ' <F ;('C B' : :FC ('< ' B: <F 'C B' (;:'F< ('< :'< '(;:'A99B'!C :@<C' : ' (9' @9 :@('(;:' = C@>:('C9B' C< < F ' ;:'FC '< 'C ' :FC B '(;:' <B:' A< B9A 'C B' (;:' @< @6 C ' A< B9A'C('(;:' B'CD9 F'(;:' : E' =: ('A:';C :' :: ' '=6('A:'DCE' ;: :' :DC >'(;C('(;:' ? 9?: '(<D:' !9 ' ::< F'<('< '=:!9 :' 99 ' !9 ' 9A< F'(9'(;:' : C BC; '=:< F' @9 (< 696 E'C @; B'! 9D': B'(9': B' C'F :C('B:C '9!' <F;('< ':U@ 6B:B' ! 9D'(;:' 6??: ' ?C (' 9!' (;:' <B:' A< B9A ' C B' < ' (;:' : : < F' 9A< F' (9'(;< ' @< @6D (C @:' (;:' = < <C @E'9!'(;:'F C '9 ' (;:' :C ('<B:' < '@9D? :(: E'9= @6 :B' ;:' < (9B :(<9 '9!'(;:' @9C(' 9!' C D ' 9!' (;:' ?C ('@;C @: 9 ' AC 'C' ;C??E' <B: '9!' 1 ' 1 9 :@:E) ' C '=E'(;:< ' D:C ' (;:' BC(:' 9!' (;:' < @9 ?9 C(<9 ' 9!' (;:' \ < : <(E' C B'(;:' =6< B< F' 9!' (;:' ;C '< ' < B<@C(:B' ;:' C D ' 9!' (;:' =: :!C@(9 ' <' 9AC :' 5:;C F;<: ' ' :CBED9 :E ' ;C :' C 9' =:: ' C?? 9? <C(: E' < (9B6@: ' =6('(;: :'< ' 9 :' D< < F' (;C(' D<F;(' ;C :' !9 B' C' ? C@:' CD9 F' (;:' 9(;: ' C B' (;C('< ' (;:' C D '9!' (;:'C @;<(:@(' < ' 3:9' 3< =:(' @9((' ;:' < (: <9 '9!' (;:'=C ' ;C ' =:: 'F :C(E'DC :B'=E'(;:'< (9B :(<9 '9!' <U' M C 66CF:DY'FC '@;C B: <: '< '<D<(C(<9 '= 9 Q:.'(;C('C :' 6 ?: BH

:B' =E' < 9 .' :B ' ! 9D' (; :'@ 9 ' C @= : ' ; : :' 9=C B .<: ' C :' VC<<:' 9C(' 9!' :=C C9!: ' K \ =' (; :' =C< B< F ' (C(6 :' 9!' < ' A : :'5: ;C $' F ;<: ' AC ' ? C@:B' < ' (; :' 2C '<'' &O%T' =6('<(' =C '=: : ' :D9 :B' C B' ? C@:B'9 'C'DC < :'=C :'< '! 9 ('9!' (; :' DC< ' : (C @:' (9'(=:'=6< B< F '

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. K : (E' CD : DC : ' C ' (; :' \ < : <(E' 2 C

=E' B :(C< 'B CA< F ' ? 9 <B:B'=E' 1 ' 1 9 :9:E ' (; :' : <B: (' C @ ; <(:@(' ; :' F 96 B ! 99 ' @9 (C< '(A9' <B:' 99D ' :C@ ; '#T5 U *0 'C' @: (C ' ; C '*0 'a'W%& ' C <B' C' (C< @C :' : (<= :' WO' WOC :' ? 9 :@(< F' (9' (; :' :C ' < ' C '9@(CF9 C ' !9 D ' A ; < ('(9' (; :' A : (' ! 9 (' < ' (; :' (9A : ' !9 D< F' C' @C <CF:' ?9 @ ; 'WT' V6C :' < <B:' D :C 6 :D : ('C B' *T' ! : : (' 96(<B: ' 9' (; C(' (; :' AC 'C :' :C@ ; '# ! : : (' (; <@> ' ; : ' (9(C ' : F(; ' 9!' (; :' =6< B< F' < ' &#W ! : : (' LDF' (; :' A : (' ! 9 ('< ' C '9?: 'C @CB: ' &, '! : : (' A<B: 'A<(; ' 96 B'9?: ' (C< @C : 'C(' : <(; : ' : B' :CB< F' (9' (; :' ! 99 'C=9 : ' ; :C @CB: '< 'F 9< :B'< 'V6CB C?C (<(:' C6 (< F'< ' 9 :H' =C B: ' (9 : ' ; :' 6??: ' ! 99 ' A ; <@ ; ' < 'B: 9(:B' (9' (; :' <= C E' C B' 2 :CB< F' 99D ' @9 < (' 9!' 9 :' 99D' :U(: B< F' (; :' A 9 :' : F(; ' 9!' (=: ' =6< B< F' <(' D :C 6 :D : (' =: < F' &, T ' a' *0 ' C B' *W ' (9' (; :' C?: U' 9!' (; :' C @ ; :B' (:C>' ?C : :B' 99!' (; C('@9 : '<(' : '(; :' @C <CF:' ?9 @ ; ' (; : :'< ' (; :' (9A : ' A ; <@ ; ' !9D ' 6@ ; 'C' @9 ?<: 69 ' !:C(6 :' < ' (; :' ?C 9 CDC' 9!' 9D=CE ' C B' A ; <@ ; ' < ' WO0 ' 2 / 2' ! 9D' (; :'F 96 B' (9' (; :' (9?' 9!' (; :' D :(C ' ! <C ' ; :' ; :<F ; (' 9!' (; :' !< (' (CF: ' A ; : :' (; :' V6C :' !9 D' < ' @ ; C F :B' < ' ' ' (; :' :@9 B' (CF:' (9)(; :' (9?' 9!' (; :' (9A : ' &&O 'C B' (; :'(; < B' (CF:' (9' (; :' (9?' 9!' (; :'!< <C ' P , Z& (9(C 'WO0 ' ; :' ; :<F ; (' (9' (; :' @: (:'9!' (; :' @ 9@>' !C@ : ' A ; <@ ; ' < ' ' ' < (: C ' C B' &T ' :U(: C ' B<CD :(: ' < ' &T%'

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!9(D' <=:' @9D: '9!'(;:'9@(CF9 'C :' C F:' !<F6 : ' :C@;'O'!(' ;<F; '
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;<F;: ' (< ' 9D:' (;< (E' 9BB' !::(' C=9 :' (;:' FC :<E' A;: :' (;:'
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K;<@;' ;C :'=:: 'D9B: :B'=E' C9' C;CB6 '1 @>99 B' CD@;6 B: '
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?9(' 9 (' 9!' 9 :=6 B: ' (9 :' C :' : E' C@@6 C(:' :? : : (C(<9 '9!'
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DC E'9!'(;:' 6D: 96 '@C (: '< @ 6B:B'< '(;:' C(< :' @9DD6 <(<: '9!'
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S6(9;<' '(;:'(CB<(<9 C E'!<: @:' C ?6(' A<(;' ;< ' ;C B'9 '(;:' ;< (' 9!'
C' ;6F:' $ + ;R @' C' ? CE< F' C ::' C?? 9? <C(: E'!C@< F'(9AC B ' C@>'
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??9 <(:' (; :' 6= <@' K9 > ' :@ :(C <C(' (C B ' (; :' 3: : C ' 9 (' !!<@: ' A ;<@;' AC ' : :@(:B'! 9D' B: <F ' 9 (' !!<@: ' =E' g' 6= ;CA: ' @;<(:@('(9' 39 : ' D: ('C B' K ' C < ' S ' 9;<(:9(' (9' 39 : D: ('C B' C @(<9 :B' =E' (; :' 39 : D: ('9!' B<C' 9 ' (; :' W& (' := C E' &O%O' ; :' R ' AC ' @9D D: @:B' 9 ' (; :' &&(;' ? < ' &OTP' 2H' ' (; :' &% ' ' '* ,!' < '6 !$ -*' Y ! $' A" ! * , ' " ' ; :< F

39 : 9 ' C B' : <B: ('< ' 96 @< ' C B' AC ' @9D? :(:B' 9 '(; :' & (' :@:D=: ' &O%W' A ; : ' 2 ' ' (; :' 29 96 C= :' < ' ;< <?' BD9 B' K9B:;96 :' S ' AC ' 39 : 9 ' C B' : <B: (' < ' 96 @< ' ;:' A9 >' AC ' @C <:B' 9 ('6 B: '(; :'<D D :B<C(:'9 B: '9!' <:6(9 '5 ' 6 : ' '! 9D' ? < ' &OTP' (9' 1 CE' &O%&' ' 5 ' 2 ' 2C (' 1 ' (' '! 9D'' 1 CE' &O%&' (9' 9 :D=: ' &O%W ' 9 '5 ' 6 : ' '! 9D 9 :D=: '&O%W' (9' :@:D=: '&O%W ' 1 6 @; : :' 9AC :' 1 6 Q=C6' =:< F' < (C (' F< : : '< ' @; C F: ' (<DC(:' C ' C @(<9 :B ' ' # PP PPW ' C@(6C ' @9 (' ' # P, W0O' 9(;' (; :' 9 (' !!<@:' C B' (; :' 6= <@' K 9 > ' :@ :(C <C(' ;C : ' 6 !9 (6 C(: E' =: : '(6 :B' (; :' A 9 F' ACE ' =9(;' 99>< F' (9AC B ' C@>' CE ' < (:CB' 9!' ;9A< F' (; :< ' !6 ' ! 9 (' (9AC B ' (; :' 9 (9 (;' 9!' (; :' 9 (!!<@:' CFC< ' C B' C(' (; :' 6 @(<9 ' 9!' (; :' DC< ' ? C CB:' 9CB ' < ' (; :' : : ' : :F C?;' .9: ' F C?;' !!<@:' ;< ' =6< B< F' !9 ' (; : 9D=CE' < < <9 ' 9!' : :F C?; ' C B' <(< ;' B<C ' =" 1 C < :' : :F C?;' AC ' : :@(:B' ! 9D' B: <F ' =E' K ' C < ' ' ' ' ' @; <(:@(' (9' 39 : D: (' C B' C @(<9 :B' =E' (; :' 39 : D: (' 9!' B<C' 9 ' (; :' WW B' :?(:D=: ' &O%&' ;:' A9 >' AC ' @9D D: @:B' 9 ' (; :' W B' 9 :D=: ' &O%&' 2 ' ' (; :' <F; (' 29 96 C= :' < ' :ED 96 ' : :E' N<(Q3 : C B' 39 : 9 ' C B' : <B: ('< ' 96 @< ' C B' AC ' @9D? :(:B' 9 ' (; :' W0(;' ? < ' &O%, 2 ' '(; :' 29 96 C= :' < ' ;< <?' BD9 B' K9B:;96 :' S '(; : ' =:< F' 39 : 9 ' C B' : <B: ('< ' 9 6@< ' ;:' A9 >' AC ' @C <:B' 9 ' 6 B: '(=9' <D D :B<C(:'9 B: '9!' 1 '5 ' 2 ' 2C (' 1'' (' '! 9D' 9 :D=: ' &O%&' (9' 9 :D=: '&O%W ' 9 9 : 5 ' ' 6 : ' '! 9D' 9 :D=: ' &O%W' (9' ? < ' &O%, ' 1 6 9; : < 9AC < 1 Q=C ' =:< F' < (C (' F< : : <6' @; C F: ' (<DC(:' C ' C @(<9 :B ' 'W , # O, ' C@(6C ' @9 (' ' W , , TP%' (' ;C ' < @:' =: : ' F :C(E' : C F:B ' 9(;' (; :' 9 (' !!<@:' C B' (; :' : :F C?;' !!<@:' C :' 6 (E' CBD< :B' !9 '(; :'' ;C D9 E' 9!' ? 9?9 (<9 '9= : :B' < '(; :< 'C @; <(:@(6 :'C B' (; :' @C :!6 ' B: <@C@E' 9!' (; :' : C=9 C(:'9 CD: (C(<9 '9 '(; :'! 9 ('9!' (; :' 9 (' !!<@:' < ' ?C (<9 C 'B: : : '(; :' ;<F; : (' ? C< : ' ' B' C (' =6(' 9(' :C (C(' (; :' :U(:D :' ?9< (' 9!' (; :' 6 @(<9 ' 9! `6: : ' ' (C(6: ' (; : :' DC< ' 9CB ' < ' (; :' 6?: =' A ; <(: DC = :' (C(6: '9!' 2 : ' 1 C : (E ' =E' 9= : ' C 9(; : 'F<!(' 9!' S ; C B: C9 ' 3C: >AC ' C(' C' @9 (9!' f&O 000 ' ; < ' (C(6: '< ' (; :' D9 ('=: C6(<! 'A9 >' 9!' (=: ' >< B' < ' (; :' <(E ' K ; : ' 2 : B' 9 (; = 99>' C < :B' < ' 9D=CE' < ' ? < '&O%W' C ' (; :' :A' <@: 9E' 9!' B<C' < ' @@: <9 ' (9' (; :' D6 B: :B' 9 B' 1 CE9 ' 9 :' 9!' =< ' !< ('?6= <@' C@(' < ' B<C' AC ' (9' 6 @9 : '(; < ' 9 : E' D9 6D: (' ;:' (C(6: ' AC ' C('!< ('< (: B:B' (9' =: ' C' @9D ?C <9 ' (9' (; :' =: (' (C(6: ' A ; <@; ' 9A' (C B ' < ' (; :' :A' <@(9 <C' 2 C 'C B' < ' !9 ' =: C6(E' C B' <D ?9 (C @: ' (; : ' @; <: !' 9 CD: (' (; :' :' ' =6(' C(: ' @9 <B: C(<9 ' < B6@:B' (; :' 1 C ; C C C' 9!' C 9BC' i9C 9A' <(' (9' =:' ? C@:B

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,>]") ' 3 ' ' 1

< B: <= :' C=(< ' C B' ; :' C 9'? (' C' FC C B' 9i' ? B' ;9:C' C 9 B' (; :' :@>' 9!' 2 : ' 2 C ' C(E ' ; :' ?: ?:(C(9 ' 9!' (; <C' B: : B' ACC' 9(' B<C@9 : :B' 6 (<' (A : :' D9 (=C' C!(: AC BC' C B' (; : ' 9 E' 9 ' ;<C 9A ' @96!:CC<9 ' ' (; :' (C< C' C??:C :B' (9' =:' < B: <= :' <(' AC ' (; 96F; (' B: < C= :' (9' 9=(C< ' C B' !<U' C' : A' ; : CB' (9' (; :' (C(6: ' ' (; :' D :C ' (<D :' 9!' ' S ' 3C C ' @CD :' !9 AC B' C B' C99:C !C E' :[D9 :B' (; :' (C< '=E' @; : D<9C ' ? 9@: ' C B' (=:' C(C(6:' AC ' 6 :< :B' !9 ' ?6= <9' <: A' ! 9D' (; :' T(;' 9 : D=: ' &OPO' ' 6D' 9!' : ' # 00O' AC ' CAC B:B' (9' 9!' 3C C ' !9 ' ;< ' (96= : ' =E' 1 ' BCD <' : : =; 9E

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@9C(' #OO' FC< :CC ' A ;<@;' A: :' C< :B' =E' C= @ <?(<9 ' &OT# 9(; : '
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A<!:' 9!' <' BAC B' K: (' ;<:!'5 (<@: ' BD< C ' < 'N :B: <@>' 2C (H'
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3: : C' < : E' ; :' D9 6D: <:' 9!' F :C(: ('< (: : ('C :' (; 9 :'
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B: <F :B' =E' 1 ' <: Q<' K C (9 ' B:@<B:B E' (; :' =: (' ?:@<D: ' 9!'
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6 C(:' C B' 1 : 'S:D?' C B' 9) '@; <:!' 9!<<@: ' 2 :' A< ' (; : '!C@:' (; :'
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C @' ? C@:B' C(' <F;(' C F : ' (9 ' C B' @9 :@(:B' =E' C' @9 : :B' ?C CF:' A<(;' (;:' :C ' @9 <B9 ' 9!' (;:' DC< ' =6< B< F ' ;:' F 96 B'! 99 ' @9 < ('9!' C'@99>' 99D ' C' (9 :' 99D '(;: :' : C ( )' 99D ' C B' 9' 9 ' A<(;' C' : C BC;' #' !: :('A<B:'9 ' (;:' 96(;' C B' A: (' <B: ' ' (;:' ; <(C E' C?? <C @: ' B C< CF:' && C :' 9 ' C?? 9 :B' ? < @<? : ' : <B: '(;<' @;99 Z CD:B' C!(: 'C' C(:' : <9 ' 1 CF< (C(:'9!' 9D=CE Z A ;<@;' AC ' 9?: :B' C(' !< ('< ' (;:' N9 ('< ' ? < ' &OT%' (;:' @9((< ;' B6@C(<9 ' 9@<:(E' ;C 'C 9(;: ' @;99 ' !9 ' 6 9?:C ' C B' 6 C <C 'C(' E:\ C' :C '(;:' C< ACE' = <BF:' @9D[D: @:B' < ' :?(:D=: ' &OTP ' ;< B : '9!' =9(;' :U: ' C B' =9C B: ' C 'A: 'C 'BCE' @;9 C 'C :'CBD<((:B ' ;:' @;99 'C<D' C('<D?C (< F' C' C< < F' <D< C '(9' (;C('<?' (;:'=: ('?C < ;' @;99 '< ' @9(C B

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N' ' ' 'C B'(;:' (E :'CB9?(:B'< ' (C <C ' 39(;<@' ;:'(9(C'@9 ('
AC ' '%T ,PO'9!' A;<@;' 6D' 39 : D: (' :(D(<= (:B' '&O OOO"
' ' !:A' ;6 B :B' EC B ' !6 (;: ' ?' (9' (;:' 9 (;' < ' C' 39(;<:'
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29 =E' S9A ' ;:' @;99' 9A: ' <(' :U< (:' (9' (;:' < ! 6: @:'
C B' :U: (<9 ' 9!' 1 ' 1C 9 > :' 3 :(::' C' C(:' 6BF:' 9!' (;:'
DC ' C6 :' 96 (' C(' 9D=CE' (' AC ' 9?: :B' < ' (;:' E:C '
&OT*' C B' CD:B' < ' ;9 96 ' 9!' (;:' D D <CF:' 9!' (;:' < @:'
9!' KC : ' A<(;' (;:' < @: ' :UC B C' 9!' : DC > ' ' 9(C[
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C B' C :' C 9' (C6F;(' D6 <@' B CA< F ' C B' ::B :'A9 > ' ('
(;:' : B' 9!' &O%W' (;:' N:DC :' S9@DC ' @;99' C(' 9D=CE' ACC'
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AC ' B: <F :B' =E' =C ' C=CB99 ' 1 ' ' 1 6 Q=C ' '
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'#% OOO' 9 :';C !' AC ' @9 (<=6(:B' =E' 39 : D: (' (;:' 9(;: '
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C < F' (;:' ?C@<96 ' DC <9 ' 9!' 1 ' 5CD :(< !' C(C' C B' (;:' ;' ;C B 9D:' : <B: (<C ' ! C(' > 9A ' '(;: 'F C : ' `6C (: ' 3ED>;C C ;CD=: A:@9D:(9C C F:

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6 < F' B9A ' 29D:' (::(' (;:' < <(9 ' @9D:' (9' (;:' =6< B< F ' C B' C F:' 9!' (C= : ' > 9A ' C ' (;:' ;:' `(: :UC' 1 :A ' 3: : C' 1 :A ' ;:E' C :' 9A' : ' 6 :B' !9 ' (;:' ?6 ?9 :' !9 ' A;<@;' (;:E' A: :' : :@(:B' =6(' 9 E' (9' C@@9D D9BC(:' 9 B' (9 : ' ;:' C F:' < 'T#0' !::(' < ' : F(;'C B' &O' !::(' < ' = :CB(;' C@@9D D9BC(< F' : : (E'(A9' ;9 : 'C B' @C <CF: ' (' 9 :' : B' 9!' (;:' C F:' < ' C' V6C :' 99D' A;<@;' ;C '=:: ' !<((:B' ?' C 'C' C(< :' 9 ' (;:' A:(' E (:D' 9!' @9 : C @E' C B' C' <D< C ' 99D' C(' (;:' 9(;: ' : B' ;C ' =:: ' :(' C?C (' !9 ' 9=9A><BC ' ;:' A;9 :' C F:' < 'C' < F :' (9 :E:B' = < B< F' A<(;' (;:' :U@:?(<9 '9!' (;:' @: (C' ?9 (<9 ' A;<@;' < ' C< :B' C' (9 :E' ;<F;: ' (9' ? 9 <B:' V6C (: ' !9 ' C' ?: < (: B: (' ' (;:' D<BB :' 9!' (;:' 6??: ' (9 :E' < ' C' C F:' FC(:ACE' C 9A< F' : (C @:' < (9' (;:' V6CB C F : ' C B' 9 ' :<(;: ' <B:' 9!' (;:' FC(:' C :' @99>' 99D ' F9B9A ' C B' (C< @C :' 99D ' ' @9 :@(<9 ' A<(;' (;:' : <B: @: ' C=9 : ' C' @9 (< 696 ' :C (;: AC :' ?<?:' B C< ' 6 ' C 9 F' (;:' : (< :' : F(;' 9!' (;:' b+:A ' ;C < F' C ' 9?: < F' C(' :C@;' (C ' !9 ' ('(;:' :@:?(<9 '9!' AC (:'AC(: b9 ' A;<@;' :D?(<: ' <(: !' < ' (;:' D <@<?C ' B C< ' < ' 29 =E' 9A ' : ' (;:' ! C(' 99! ' C(' :C@;' : B' 9!' (;:' = < B< F' C :' ? C@:B' (A9' C F:' (C > ' A;<@;' ?? E' AC(: ' !9 ' B < >< F' ?6 ?9 : ' C B' !9 ' ;:' ! C ;< F' 9!' B C< ' ;:' @9 (' AC '9 :' C B' (; ::' V6C (: ' C;;

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. B 9 <9 .' (; :' 9CB' :CB< F'! 9R ' (; :' 1 :A ' (9' 2 9 =E' 29A ' (C B ' C : ' 1C(: <(E' 29 ?<(C (; :' C : :' 1 C(: <(E' 29 ?<(C ' !96 BH' :B' =E' ' : D 6 : :' ' C <9CC ' ' 1 ' A<(; ' (; :' @9 9?: C(<9 ' 9!' 1 ' 9 C= <' ; C?C <' : FC <' 0 &' ' B:@:C :B ' 1 ' 9 C= <' N CD <' C(: ' B:@:C :B ' 1 ' 6 : AC <' 5: ; C F< <' K CB<C ' B:@:C :B ' C B' 1 ' 5C(:(<' 6 : AC <' C(C ' ; :' =6< B< F' AC ' : :@(:B' B: ' (; :' C @; <(:@(6 C ' 6?: < <9 ' 9!' S ; C ' C ; CB6 ' 1 ' 3 ' 1 C Q=C ' ' ' ' A ; 9' = 96F ; (' (9' =:C ' 9 ' (; :' (6@(6 :' =< ' =: (' C @; <(:@(6 C ' >< ' C B' DCB :' <(' C ' : :H' FC (' C ' <(' < ' @9D D9B<96 ' C B' ; C ' < (9B6@:B' (; :' C(: (' C <(C E' <D[? 9 : D : (' ; :' @9 (C@(' !9 ' =6< B< F' AC ' : (6 (:B' (9' 1 ' NC>< : :' < ; CA ' (; :' @9 (' 9!' (; :' C B' C B' =6<1 < F' =:< F' 2 ' & 00 #00 ' C< :B' =E' ?6= <@' 6= 9 <?(<9 ' =E' (; :' C :@ .' ; : :' C :' (; : :' : (C @: ' (9' (; :' =6< B< F ' (; :' DC< ' : (C @:' =:< F' (9' (; :' 9 (;' <B :' 9!' (; :' (6@(6 :' ; : :' C :' <U' 9!(E ' A : ' : (< C(:B' 99D ' 9 ' (; :' F ɗC9B' B99 ' A ; : :' < ' C 9' <(6C(:B' (; :' B< ?: C E' C B' 6 : H' V6C (: ' 9!' B<!! : : (' B<D : <9 ' C' 99D' !9 ' !: : ' (<@>: ' ?C(<: (' C6B' C' D9 (6C E ' A ; <@; ' < ' ?C :B' A<(; ' DC = : ' A: (E' ?C(<: (' C :' C@@9D D9BC(:B' 9 ' (; :' F 96 B'! 99 ' A ; : :' (; : :' C :' C C(9 <: ' C B' 9(; : ' :@: C E' C999 CD9BC=<96' 9 ' (; :' C(: (' @<: <<! @' ? < @<? : ' 9@: :B< F' =E' (; :' DC< ' (C< @C : ' A ; <@; '< ' A ; 9 E' @9 (6@(:B' 9!' = 6 :' ; (9 :' A<(; ' 6 6CD : (C ' < 9 ' =C 6 (CB: ' (; : :' <C' (; :' 9?: C(< F' 99D ' A ; <@; ' < ' : (< C(:B' =E' ?: !9 C(:B' < 9 ' ; : :(' C B' A ; <@; ' <C' !6 E' !9 (E' !: :(' ; <F; ' < ' (; :' @: (: ' (; :' 99!' =:< F' C ' C @; :B' (6@(6 : ' ; : :' C :' !96 ' 99D ' 9 ' (; :' !< ('! 99 ' A ; <@; ' A< ' C@@9D D9BC(:' <U(: : ' ?C(<: (' (; : :' =:< F' C' A<B :' : D BC; '< ' (; :' ! 9 (' <>: ' (; :' 9 :' 9 ' (; :' F 96 B'! 99 ' ' (; :' :@9 B'! 99 ' (; :' (C< @C :' :CB< F' (9' A ; <@; ' < ' C 9' 99 (69(:B' 9!' (9 :' (; : :' C :' (A9' C F :' 9!(E' 99D ' A ; : :' C=96(' <U' ?C(<: (' @C ' =:' :C < E' C@@9D D9BC(:B ' ; :' =6< B< F' ; C ' =: : ' 6?? <:B' A<(; ' :A' C (<@ : ' 9!' !6 <(6 :' C B' (; :' C(: (' @<: (<! @' C?? <C @: ' ' DC = :' (C= :(' A<(; ' (; :' !9 9A[< F' < @ <?(<9 ' ; C ' =: : ' !<U: B' < (9' (; :' AC ' 9??9 <(:' (; :' DC< ' (C< [@ C : ; : ' C :' E< F' < ' 2 9 ?<(C ' AC ' =6< (' ! 9D' 6= @ <?(<9 ' C< :B' CD9 F (' (; :' C C: :' @9D D6 <(E ' ; :' !96 BC(<9 ' (9 :' AC ' C<B' =E' 2 : ' U@: : @E' CBE' 2C < ' 0 & ' 9 ' (; :' WO(; ' 1C @; ' &OP* ' ; :' ; 9 ?<(C ' AC ' 99<C? :(:B' C B' !9 DC E' 9?: :B' =E' 2< ' U@: : @E' (; :' S<F; (' 2 9) = :' 9 B' 2C < ' 3'' 0 ' ' 39 : 9 ' 9!' 9D=CE ' 9 ' (; :' &&(; ' 5C 6C E' &OP# ' ; :' =6< B< F' AC ' B: F :B' =E' C B' : :@([:B' 6 B: ' (; :' 6?: < (: B: @:' 9!' S ; C ' C ; CB6 ' 1 ' 0 ' 1 6 Q=C N 2 ' 9 ' 1 ' (' C ' Z ' ; 9 9 C E' C @; <(:@( )' a ; V

(6 (: : ' 9!' (; :' 2 9 ?<(C ' C :' (Z 1 ' 5C 1 :(‹' C(C ' 1 ' 9A 9 ‹' KC,<C ' 'C B' : D ‹' ;<>; C ‹' C <DC ' ; :' ; 9 9 C E' D :B<[@C ' (C! ' @9 < (' 9! Z ;<:!' ; E <@<C Z ' : D 6 ‹' ;<>; C ‹' C <DC ' 1 ' 2 9 9 C E' ; E <@<C Z ' SC(C ; CA' : D ‹' C <DC ' 1 ' <S ' S ' N: 9A' = (:(<@' 9@<:(E ' 9 B9 ' 2 9 :' 6 F:9 ' Z ' CBE' ' 3CQBC ' ' 1 ' b' ' 9 6 (< F' ; E <@<C Z ' 9AC <" :C(9 <' 3 3 1 ' 2 9 9 C E' :@ :(C E Z ' : D ‹' ;<>; C ‹' C <[DC ' ; :' 6 : AC ‹' 5: ; C F< ‹' KCB<C' K < F' (9' (; :' 2 9 ?<(C ' ; C ' (: : ' ? 9 <B : B' C(' C' @9 (' 9!' ' *0 OOO ' =E' C‹' : 9Q=C<' A<B9A' 9!' 1 ' : DC ‹' 5: ; C F< ‹' KCB<C' ; :' 2 9 ?<(C ' C B' (; :' KCB<C' K < F' C :@9D 6 9BC(:' !<!(E' ?C(<: (

??9 <(:' (; :' ; 9 ?<(C ' CD : B' (C B ' (; :' : A' = < B< F' 9!' (; : C(; : B C ' 2 <F ;' @ ; 99 ' A ; <@ ;' AC ' :" C(; : B C(' 2 <F ;' @ ; 99 ' D 9 :B' ! 9D' (; :' !9 D : ' ‹(:' !C@< F' (; : N 9 C ' N96 (C< ' < ' &OPT' 9 ' C999 (' 9!' (; :' 9< :' 9!' (; :' (C!!<@' (; : : ' C B' (; :' C@>' 9!' CB : V6C(:' C@@9 D D 9BC(<9 ' ; :' @ ; 99 ' 9A' ; C ' C@@9 D D 9BC(<9 ' !9 ' C' C F:' 6D=: ' 9!' ?6 ?< ' < @ 6B< F' C' F99B' ? 9?9 (<9 ' 9!' =9C B: ' (' (E : ' ! 9D' C ' C @ ; <(:@(6 C ' ?9< (' 9!' <: A ' < ' A : ' < ' >: : ?< F' A<(;' (; C(' 9!' (; :' 9(; : ' C F:' ?6 = <@' ; 9 \ B< F ' A ; <@ ;' ; C :' ; : ?: B' (9' : C ' !9 ' (; :' @<(E' (; :' (‹(:' 9!' M' 9D=CE' (; :' : C6(<!6 Y

!' 9(<@< F' < ' ?C < F' C 9 F' 2 9 =E' 9A' (; :' ?C@<96 ' ? : D< : ' 9!' 1 : ' C<B CA' C B' K ; <(: ACE' (; :' (C : : ' 9D :' ACE' B9A ' 9 ' ; < ' <F ; (' A< ' @9D :' (9' C' : E' C F :' (9 :' = < B< F' : :@(:B' !9 ' (; :' C : :' : : 9 : (' (‹(6(<9 ' =E' (; :' !CD< E ' C B' =: C < F' (; :' CD :' 9!' (; :' F :C(' < ' 5CD :(: :' 5: : : =; 9E ' A ; 9 :' (C(6 : ' A<(;' (; 9 :' 9!' 9(; : ' 9(C= :' @<(<F: ' =:' A< ' !< B' ‹ '(; :' 9A ' 2C ' ; <' ‹ (‹(6(<9 ' 9@C(:B' < ' 5CD :(: :' 5: : : ==9E' < ' 2 9 =E' 9A ' AC ' !96 B : B' =E' C :' : : 9 : (' (‹(6(<9 (; :' !< (' < ' 5CD :(: :' 5: : : =; 9E ' C 9 :(' A ; 9 ' A<(;' CBE' C=C : : ' ; < ' A<!: ' :(' C?C (' ' * T0 OOO' !9 ' (; :' :B6@C(<9 ' 9!' ?99 ' C :' @ ; < B : ' C B' (; :' : <:!' 9!' (; :' ?99 ' 9!' =< ' @9D D 6 ‹(E ' ; : :' C :' =9(; ' C' =9E ') C B' C' F< ' B : ?C (D : (' < ' (; :' @: (C ' < (‹(6(<9 ' =: <B: ' = C @ ; ' @ ; 99 ' < ' (; :' C(< :' (9A ' C B' < ' (; :' 1 9! ' < ' ; :' @: (C ' @ ; 99 ' !9 ' =9E ' AC ' 9?: :B' < ' &O, P ' C B' (; C(' !9 ' F< ' < ' &O#0 ' ; :' 3 9 : D : (' 9!' B<C' C :' (; :' (6 (: : ' C B' ?CE' < (: : (' C(' (; :' C(:' 9!' T' ?: ' @: ('9 ' (; :' 6D' 9!' (; : :' C>; ' ; :' : U : @6(< :

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N 9 (< F'(;:' C(C '3C(:' 3C B: ' 6 (' 9??9 <(:' (;:' <@(9 <C' : " D< 6 ' (C B ' C' (C(6:'9!' ?' ;9DC ' ;:' C :E' (C(6:' C :E' ' A;9 :' DC E' C 6C= : : <@: ' (9' 9D=CE' ;C :' :B' (;:' F C(:!6 ' @<(<Q: ' (9' : :@(' C' DC = :' (C(6:' 9!' ;<D' < ' =< ' <!:'(<D: ' ;:' (C(6:' A ;<@;' AC ' :< :B' =E' 1 ' 2 ' ' @A9 (=' (;:' 16 <@<?C ' 9DD< <9 : ' < ' 56 :' &OP, ' < ' 9!' =: (' C C C' DC = :' C B' (C B ' !6 E' :<F;(' !: :(' ;<F; ' <(' B9 :'@9 9 :B' ?:B: (C' =:< F' !< :' !: :(' ;<F; ' K<(;' C' (A9'!: :(' =C :D: (' 9!' 9D=CE' = 6:' (9 :' (=:' A ;' (6@[(6 :' < ' 9D:' !<!(:: ' !: :(' ;<F; ' @9 (< F' < ' C ' C=96(' ' &T 000 ' C B' F< < F' (9' 9D=CE' C(' C' @;:C?' ? <@: ' C' (6:' ? : : (D: (' < ' DC = :'9!'(;:' !<F6 :'9!'9 :'9!'<(' D9 (' 6 :!6 '@<(<Q: ' (' :U:@6(<9 ' AC ' : (6 (:B' (9' <F 9 ' C C' C' @: := C(:B' @6 ?(9 ' 9!' 3: 9C ' (;9 F;' 1: ' KC B: ' ' S ' 9!' 9D=CE' ;:' C (< (' ;C ' 6@[@::B:B' A: ' < ':U:@6(< F' C' (C(6:' :DC >C= E' (6:'< '? 9?9 (<9 ' !(B' ?9 :' ' C :E' C??:C '< ' ;< ' ! 99>'99C(' A<(;' ;< ' ;C('< ' ;< ' :!(' ;C B' C B' =< ' <F; (' ;C B' : (< F' ' ;< ' = :C (' <F <! < F' (;C(' ;:' ;C ' C ACE ' (;:' < (: : (' 9!' (;:' @<(E' C(' ;:C (' ;:' B:(C< ' 9!' (;:' B : ';C :'=:: ' :UV6< <(: E' A9 >:B' 96('=E' <F 9 ' 9QQ9 <' C B' <F 9 ' C :' < @E'9!' C C C' ;:'(9(C ' 9 (' C' WW OOO' AC ' C< :B' =E' ?6= <@' 6= @ <?(<9

;:' :U(' <F;(' < ' 9 :' 9!' (;:' D9 (' 9(:A9 (;E' (;:' @<(E' ;C ' g' ' ' 9!!: ' ! " ' (;:' : D< ' C B' (;: p' .' U:@6(< :' 9!!<@: '9!' (;:' 3 :C(' B<C : < 6 C' C< ACE' C' (<>< F E' ;C B[9D:' (6@(6 :'9!' A ;<@;' 1 'N' K' (: : ' 'N ' b@ ' < '(=:' C @;<(:@(' C B' : F< :: ' ;:' A: (: ' ! 9 (' ? : : (' C' <:A' A ;<@;' !9 'C @;<(:@(6 C ' :!!:@(' 6 ?C : '(;C(' 9!' C E' 9!' (;:' !< :'?6= <@' =6< B< F ' !9 ' A ;<@;' 9D=CE' < ' :DC >C= : ' F<FC (<@' B9D:' D9C (:B' =E' C'@9 9 C ' !<F6 :'9!'M 9F : Y'@ 9A '(;:' :B<!<@: 'C B' DCE' =:' :: ' ! 9D' : : E' V6C (: '9!' (;:' @<(E' ;:' F C B:6 ' 9!' (;:' : 6 (' C@;<: :B' 9=(C< ' < (C (' :@9F <(<9 ' ! 9D' : : E' @9D?:(: (' @ <(<@ ' A ;< :' (;:' D (<(B:' 9!' (C : : ' :C < F' 9D=CE' ! 9D' 9 : :' C B: '@C 9('!C<' (9' ? :CB' !C ' C B' A<B:' (;:' <D? : <9 ' :!(' ?9 ' (;:D' =E' (;:' D9 (' @6 9 E' < ?:@(<9 ' 9 ' (;:' : :' 9!' C' ;6 <:B' B:?C (6 :' =:' 3 ' ' ' C< ACE' (<(D< C' C B' CBD< < '' H

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A @;' C' D9<:(E' AC ' :9(((<=C(:B' =E' (;:' 3; ?:' !9?:FC(<9 ' C(<,'
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?C=\@'= (<('AC '<((CC(:B< ' C' D9 (' (< C<(C=:' (99C <(E' C B' AC '
(U !': :B'(9'(;:' :A'= (<B<9F' C(' 9 : ' C B: ' ' DC ' : B9D('
< : ('E<: B ' :' OO' D9 (; E' C' :C ' ('V6C' (9'(;:' 6??9 (' 9!' !< :'
9!C< B : ' ;:' (6 (:: '9!' (;:' <: ' ;C :' 3 (::) '2:D: <C ' N6 B'
DC< '(C< 'C ' : ?; C <C' (;:' < (<(6(<9 '6 B: ' (;:' (6 ('B::B ' :A'
C B' ;C B 9D:' =6\B< F' : :@(:B' 9 ' (B<:' <(:' A ;<@;' C=6(' 9 ' (;:'
DC >:(' 9CB' 9??9 <(:' (;:' 9 :' 6 B: ' (C(<9 ' : B'CB 9< ' (;:'
@;99 '9!' ('@9D?96 B'9 '<(' 96(;' <B:' ;C ' =:. ' = < (' !9 ' (;< '
< (<(6(<9 ' (' ;C 'C'! 9 (CF:'9!'WW0'!::('C B'<' ,&P'!::(' B::?': B'
* ' 9 ' %' <(:' (;:' ! :' F<!(' 9!' 39 : D: (' A;9 :' ?: !@<C' < '
C=96('&0 000' V6C :' EC B<' ;:' B::<F ' ;E' S;C ' C;CB6 ' 16 "
9;:<. :9'$ ' 1 6 Q=C ' F;9A ' C' :CB' C B' ? :((E' :B<!<@:' < ' A ;C('<:'
> 9A 'C '(;:' B9D: (<@' 9(=<9' (E :' ;:' =6< B< F' A ;<@;' !9 D '
(; :' <B: 'C B'C' :@(C F :' < ' (A9$ (9 :E' ;<F;' ' =6(' 9'CBC?(:B'(;C('C'
(;< B' DCE' =9'CBB:B' ('< ' B< <B:B < (9' (A9' :@(<9 ' (;:' 96(;: '
=:< F' 999 ?<:B' =E' (;:' =9E ' C B' (;:' 9 (;: ' :@(<9 ' < ' :('C?C ('
!9 ' (;:' F< C' ;:' B9 D<(9 E' 9 ' (;:' !< ('! 99 ' C@99 CD9BC(: '
&*,' =:B ' ;:' B :C< F' C B' (;:' (@(6 :' C :' < ' 9 :=69B: '
(9 :' C B' (;:' AC ' C :' = < (' 9!' 6== :' (9 :' C B' <D:' DC 9 E'
!C@:B' A<(;' @< 9 C ' ' C B9D\' :(: :' ;:' !96 BC(<9 (9 :' AC '
C<B' A<(;' D69;' ?9D?' ;E' 9 B' !!: < ' (;: ' <@: 9E': :@(' @ '
:@: D=: '&0(;' &OO&' (' AC ' =< ' !< ('?6=<@' C??:C @:' < ' B<C '
;:' :A' =6< B< F' AC ' @@6?<:B' < ' 5C C E' &OO%' (;:' < (26(<9C'
;C < F' : (: :B' 9 ' <(' L . : : ' ;:' @9 (' 9!' (;:' =6< B< F' AC '
< ' & 00 000

;:' ;C @;' 9!' (;' 29 E' < <(E' (C B< F' C 9 F <B:' (;:'
B9' <(< ;' (<(6(<9 ' AC ' C(' !< ('
. ; ' ;;<@;' e!' (;' 29 E' B: . :B' < ' A ;C(' AC ' > 9A ' C ' (;:'
< <(E' C < <@C ' (E :' (' 9;<(:9(6 j'
=6('C(' (;:' C ('D:D:9('(;:' iBC ' A: :' (' C <B:'9 '(;:' CB <: '
9!' (;:' 6?:<!((:CB< F' 2 F< :: ' C?B' ! : ;' ? C@:' A: ' C@@9 B"
< F E' ? :?C :B' A <9;' C :' D9 :' < ' >::?< F' A<(;' (;:' (E :'9!' (;:'
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=C C ('C B' F := B: ' (9 :' ?9< (' (;:' K;9 :' =:< F' ' 99!:B'
A<(;' 1C :< : ' (< : ' ;:' 9 B' @;6 @;' A;<9;' AC ' D(6C(:B' * '
"(;:' ;9=<:' C C9' B< (<@(' B9A ' S:A' 9 C?9@:' C :' AC '
!;:' F<!(' (9' (;< ' @<(E' 9!' C' C(:' C9(<6F' 39 : 9 ' (;:' 29)= :'
' C :' NC < ;' A ;9' @9 (<=6(:B' (;:' : (< :' @9 (' (9' &* 000' ('AC '
9?: :B' !9 ' B< < :' : <@:' < ' &0,0' C B' B:B<@C(:B' < ' &0,W=E' (;:'
(' : ' C <: ' K< 9 ' ;:' !< (' D< < (: ' AC ' (;:' C(:' : '
3:9 F:' C BE' A;9' AC ' 9 BC< :B' =E' < ;9?' C '9 ' < <(E' 6 H'
&0*0.'C 'C' D< <9 C E'(9' I';:' B9' <(< ;' C B' 9(;: ' :F :@(:B

W#0 \ )C' ' 02 &

?9 (<9 '9!'96 '!: 9A ; <C(<C I' <F' (;:' : <B: @E' 1 ' C .' AC' C(' (' 6???9 (:B' =E' (;:' 9@<:(E' !9 '(;:' 9?CFC(<9 '9!'(;:' 9 ?:' <' !9 :<F ' C (' A ;9 ' ;9A: : '<' &0#0' A<(;B :A' (;:<' C<B'(9';<' ?:@<C' D< <9 ' ' OTO'(;:E' 9'!C ' : 6D:B' (;:<'@9 H' :9(<9 'A<(;' (;:' 9 C?9 :' D< <9 'C '(9' =:@9D:' : ?9 <=<:'!9 'C' ?9 (<9 '9!' (;:' D< <(:) ' C C E ' ;:' @;6 @;' AC 9 <F< C E'C' 9;C?: '9!':C :' (9' (;:' @C(;:B C '=6(' <(' ;C '<' :@: (' E:C '=. ' DCB:'< B:?: B: ('9!' (;:' C((: ' =C?(< D 'C B'DC <CF: ' 9A'=:< F' 9 :D <Q:B'< '(;:'@;6 @;'C B'(;:'D< < (:'=:< F'DCB:'C' 6 9FC(: " a;:' <' 5CD :(::' 5: ::==9E' @;99 '9!' (' <' (:U(' :C@;:B ' 5C 6<:(, C' 5:]:: $<0% ;:' (9(C' : F(;' 9!' (;<' =6< B< F' @=99 '9!' (' < ' W%#' !::(' ;:' C :' !96 ' ? <' C(:' (6B<9 '!9 ' (;:' DC (: ' :C@;' *0' a' *0' C B' !96 'F: : C ' @ C ' 99D ' :C@;' TO' U' *0 ' C 9' (;::' C F:' (9 :' 99D ' :C@;' WO' U' *0 ℓC B' !96 ' DC ' (9 :' 99D ' : ' (;:' @C <CF:' ?9 @;'<' (;:' 6?: < (: B: ()' 99D' W*' a' W#' ;:' C :'(A9'? < C(:' (C< @C : ' :CB< F'(9' (;:' ? < C(:' (6B<9 ' C B' (A?' F: : C ' (C< @C : ' ;:' C F:' ;C '9 ' (;:' F 96 B'! 99 ' D:C 6 : ' ## a' *0' C B' C=9 :' (;<' ' (;:' D6 :6D' C B' <= C E' ('A<' =:' 9(<@:B' (;C(' (;:' =6< B< F' <' 9(' ?C C :' K<(;' (;:' DC< ' 9CB' =6(' (;:' :@: C E' <F;(' !:6'' (;' (6B<9 ' A96 B' 9(' ;C :' =:: ' 9=(C< :B' ;CB' (;:'6 6C' ED D:(E' =:: ' CB$' ;: :B' (9' ;:' =6< B< F' <' ? C< ' C B' 6 9 (: (C(<9 ' (;:' !6 B ' 9(' CBD<((< F' 9!' D6@;' 9 6CD: (C(<: ' ;:' C @;<(:@(' !9 ' (;<' =6< B< F' AC ' 3:9 F:' A<FF:' 1 9 :@:E' '!' ;<' @;99 ' ' !96 B:B' =E' (;:' C(:' <' 5CD :(::' 5: ::==9E' AC ' 9?: :B' <' ' :?(:D=: ' &0#%' (' !< (' (;:' @C :' D:(' C(' (;:' ?;< (9 :' (<(6(<9 '=6(' A: :' C@@9D D9BC(:B' 6= :V6: (E' <' (:D?9 C E' =6< B< F' 9 ' (;:' ? C6CB: ' ;:' (6B: (' C :' < (6@(:B' <6' A99B' : F C < F' 9 CD: (C' ?9((: E' B:@9 C(< :' ?C< (< F' C B' C @;<(:@(6 C' @6 ?(6 :' ;: :' < ' C ' :Q@: :6(' D6 :6D' @9 (C< H' < F' @;9<@:' :UCD? : ' 9!' <: (C' C B' 6 9?:C ' B::9 C(< :' C (' C B' C' : E' F99B' (' <= C E .' ;:' MI C<F <9' 1 :D9 <C' !6 B')' =:< F' C' @9 :@(<9 ' 9!' @9?<: ' 9!' ?<@(6 : ' 9!' (;:' ;<F;: (' @ C ' + 6 :)' &) c& 3C< =9 96F;)' . & 29=:< ' a$(@ ' ' 6 & 9 (C= :)' H)' 6 & : <)' H / ' ? & C B' 9(;: 'R' <' >:?('<' (;:' 16 :6D' 99D' ;:' : :@(<9 '9!' C' :? (:' = << B< F' !9 ' A;<@;' C ' CBD< C= :' <(:' @ 9 :' =E' ;C ' C CE ' =::' : : :B' !9 'C ' (' 1 : : D ' <= C E' C B' <@(6 :' 3C : E' <' D6@;' B: < :B' C ' 9' ?C9:' :U< ('!9 '!6 (;: 'CBB<(<9 '(9'(;:' C<F <:' @9 :9H' (<9 ' ;9(9F C?;' 9!' DC E' ?C< (< F' C B' ! : @9: ' <' (C E' C B' : :A;: :' 9D:' <!' (;:' 6 B:' 9@<:(E)' 9B9C :B' :? 9B6@(<99 ' C B' 9(;: ' C :' 9 ' <:A' ;:' @ C ' ;:U< 'C :'! 9D'%'(9'P'C D ' C B' `'(9'T' ? D ' 9 ' C ' A::>BCE ' :U@:?(' C(6 BCE ' < \: ' A<(;' C

?9 ?9 : ' A : 99D : ' ; :' :CE' (' K9 > ;9? ' C :' @ 9 :' =E' (; :' 9;99 ' =6< B< F ' (@6 :(<9 ' < ' (; : :' F< : ' < ' F9 B' C B' < : ' A9 > ' : CD : < F ' 9C ?:('DC>6<F ' A99B'9C < F ' ?9((: E ' 9 CD : (C ' @9??: ' = C ' C B' < 9 ' K9 >' =:' ?6 ?9 :' 9!' (; : :' A9 > ;9? ' < ' (9' (C< ' (6B: (' < ' (; :' ? 9B6@(<9 ' 9!' (; :' =:: (' ' B:@9 C(< :' AC : ' ?: ' ! 9D' '(9' &W C B' & (9' # ? D ' A9 >' :U:96(:B' =E' (; :' 1 C< (< : ' +(: C@; : R' C B' (6B: (' +9 ' C : ' ;9A ' 99D' C((C@; :B' (9' A9 > ;9? ' 9 B: ' (C>: ' ('C ' C (' ?9((: E' AC : ;96 :' <6' (; :' CD :' : @ 9 6 :' AC : ' 9!' ?6 : E' B<C ' B: <F ' !9(D' C B' @9 9 'C :' DCB :' C B' 9 B ' >< (< F' (; :' ? C CB: ' B6 :' A : (' C B' (C>< F' (; :' 9CB' 6 (' !C@< F' (; :' : (C @:' (9' (; :' DC >:(' (; :' (C : : ' A< ' 9= : : ggggg' : ; C ' C F;' =6< B<6F ' 9 ' ;< ' ;!(; : ' 996 BC :5?C '29 ?<(C ' . ;: !< (' < ' (; : ' 39:6 BC ' : ?C ' C(< :' 2 9 ?<(C ' (' : : D ' (; C(' < ' &OT#' (; : :' AC ' C' F :C(' 96(@ E' !9 ' C 9(; : ' C(< :' ;9 ?<(C ' C B' (; :' C(:' 1 ' S (9D : :' 5CD :(: :' 5: : : =; 9E' 9!!: :B' (9' ? 9 <B:' f&# 000' <!' 39 : D : (' A96 B' F< :' f / ' C B' (; :' <(: ' C B' <!' (; :' 2 <@<?C <(E' A9 B' 6??9 (' (=:' ;9 ?<(C ' : E(; < F' AC ' 9' C C F:B' A ; : ' (=:' !< C99<C ' @ < < ' ? : : (:B' (; :' D 6<!<9: (' 9 ' 9!' < ' 5CD :(: :' ! 9D' @C E< F' 96(' (=:' @; : D : ' (' CE' < ' C=:EC @:' !9 ' 9D :' E:C ' 6 (<' 1 ' 3996 BC ' : ?C ' C' : E' A:C (; E' C B' =: :H' 9 : (' @<(<Q: ' AC ' 9 ' =< ' B:C(; '=:B ' ; :' 1 6 <@<?C ' 9DH' D< <9 : ' +1 ' (; 6 ' CA!9 BR' (; : ' AC<(:B' ?9 ' 1 ' 399 BC:' A<(; ' (; :' ? C ' C B' 9=(C< :B' C' @; :V6 :' (9 ' f&# 000' C D :B' A<(; ' K ; <@; ' ; :' 6= :V6: (E' < B9@:@' 39 : D : (' C B' (; :' 1 <H' @<?C <(E' (9' C=<B:' =E' (; :' !9 D : ' C C F:D : (. ' < ; < ' = < B< F' AC ' B: :<F :B' =E' 9 9 : ' : ' 'C B' !9 (.(: E' :U ; <=<(' DC E' 9 ' D9 (' 9!' (=:' A9 (' !C6 (' 9!' (; :' CDC(: ' C @; <(:@(' ; : :' < ' C' @6 <96 ' D<U(6 :' 9!' (E : ' (; :' C6(; 9 ' : <B: ' (E' < (: B< F' =< ' B: <F ' (9' =:' F < ; ' C @; < :9(:' 9!' (; :' &*(;' @9 H' (E' ' A ; : :C '? 9=C= E' ! 9D' C@>'9!'<B:C ' ; :' ;C ' < ' ? C@: 'B: <=: C(:[E' '@9?<:B' : :(<C '39(; <9' B:(C< ' ! 9D' 1 ' ><6 ' M' (9 : ' 9!' : <@: Y' ; < ' = < B< F' C 9' :U ; <=<(' D9 (' @9 ?<@696 E' C' !C6 (' @9D D9 ' (9' =(; : ' CD=<(<96 ' (6@(6 : ' < ' 9D=CE' (; C(' (; :E' ;9A' C' B< ? 9?9 (<9 C(:' V6C (<(E' 9!' 99!' ' (; :' 99! ' C :' @9 : :B' A<(; ' D99(; ' @9 96 :B' (< : ' C<B' < ' 29: ' 9!' D :@; C <@C ' :F C <(E' (; :E' 6FF: (' (; :' 9(<9 ' (; C(' (=:' = < B< F ' D6 (' ; C :' =:: ' :(6?' =E' D C9=< : E ' ; :' !9 9A< F' < ' (; :' 9!!<@<C 'C@@9 ('9!' (; < ' (6@(6 :' ; :' DC< ' =6< B< F' AC ' : :@(:B' ! 9D' B: <F ' =E' <:6('39 9 :' 5 ' N6 : ' ' C B' (=:' B:(C@; :B' =6< B< F' ! 9D' B: <F ' =E' 6 : AC :' C C :' 1 :: QC ' : : ' ' ' ' ; :' A9 >' A C' 9(; D : @:B' 9 ' (; :' &O(;' 1 CE' &O%0' ' 2< ' U@: : @E' (=:' (' 29)= :' < ' :ED 96 ' N<(Q 3 : C B ' 3 ' 39 : 9 ' C B' : <B: (' < ' 96 @<<' ' C B' AC ' 99D ?<:(:B' 9 ' (; :' (;' ? < ' &O%, ' 2< ' U@: '

: 9E' (; :' 29C)= :' < ' ;< <?' BD9 B' K9B: ;96 : ' S ' 39 : 9 ' C B' : <B: (' < ' 9C @ ' ; :' A9 (' AC ' 9C <. ' 96(' 6 B: ' (; :' <D D :B<C(:' 9 B: ' 9!' <: (' 9 9 : ' G' ' 6 : ' ' ! 9D' <<CE' &O%0' (9' \ CE' &O%&' ' 5" 2 ' ' 2C (' 1 ' ! 9D' 1CE' &O%&' (9' 9 :D=: '&O%W ' 9 9 : ' 5 ' ' 6 : ' '! 9D' 9 :D=: ' &O%W (9' ?"<' 1 6 9; : ::' 9AC: : :' 1C Q=C ' =:< F' < (C (' F< : : ' < ' @; C F: ' 996 BC ' : ?C ' @9 (<= (:B' ' & #0 OOO' (<DC(: ' C ' C @(<9 :B ' ' * T% ,P, ' @(6C ' @9 (' ' * T% ,T#

; :' ("aC <:) ' 9 :F: 'CB 9< < F' (; :' ?=< (9 :' 2<F; ' @; 99 ' '

('aC <: J ' 9 :F: @C?C@<96 ' C B' <D?9 < F' :B6@C(<9 C =6< B< F '< ' (; :' @<(E ' (' ; C ' C' ! 9 (CF:' 9!' ' ! : : (' C B' @9 < (' 9!' (; : :' A< F ' ; :' D<BB :' 9 :' < '@ 9A :B' =E' (; :' ('aC <:) ' 9A: ' &,0' ! : : ('< ' ; :<F; (' B< ? CE< F' < ' (; :' @: (: ' PO' ! : : (' C=9 :' F 96 B ' C' C F:' (C(6:' 9!' (' N C @< ' aC <: ' (; :' ?9 (:' 9!' B<C ' C!(: ' A ; 9D' (; :' @9 :F:' < ' CD :B ' ; : :' C :' &O' @ C ' 99D ' =: <B: ' (; :' C?C (D: (' 9!' (; :' ? 9!: 9 ' K=9' C :' D :D=: ' 9!' (; :' 9@<: (E' 9!' 5: 6 ' ; :' @9 :F:' @9 (C< 'C' : E' C F:' ?; E <@C ' C B' C' @; : D<@C ' C=9 C(9 E ' =9(; ' !6 E' :V6<??: B' A<(; ' (=9' C(: (' D (D D : < ' C B' C??C C(6 : ' ' (; :' :!(' < F' (; : :' C :' (A9' C F:' =C '" (; :' 9 :' < '(; :' F 96 B'!(99 ' ?C :B' A<(; ' DC = :' C B' 6??9 (:B' =E' ' (9 :' :9 D ' C!!' .BC' CD? :' C999D D9BC(<9 ' !9 ' ? CE' B: ' ' :((: ' =9 :' (; :< ' < ' (; :' @9 :F:' ; C ' D :C < F' PO ' a' , 0 ' A ; <@; ' : @< @ :B' C 9 F' ' <B: ' =E' FC : <: ' 9!' <@; E' @C :B' K 99B'A9 > ' C!!9<B ' <((< F' C@@9D D9BC(<9 ' !9 ' C' (; 9 C B' ?: 9

; :' ('aC <:) ' 9 :F:' =6< B< F' AC ' B: <F :B' =E' (; :' : : : B' ' K CF : ' '5 ' C B' AC ' !< :' E:C ' < ' @96 :' 9!' : :@(<9 ' ! 9D' &OT*' (9' &O%*' ; :' (9(C ' @9 (' CD9 6(:B' (9' ' W TW &P, ' (9AC B ' A ; <@; ' D' 39 : D: ('@9 (<=6(:B' C' B9 C(<9 ' 9!' ' T& *OO ' ; :' =C C @:' AC ' DCB:' ?' =E' (; :' 6= @ <?(<9 ' 9!' (; :' C(; 9 <@' @ : FE' C B' (; :' F: : C ' ?6= <@

< @:' <(' : :@(<9 ', (' ; C ' C ACE ' n :B' (; :' (A9' ?6 ?9 : ' 9!' 9 :F:' C B' ; <F ;' @; 99 ' !9 ' B' E' 9; 9 C ' A ; < :' !9 ' 9D :' E:C ' C(' (; :' 96(:(' <('< @ 6B:B' C 9' C' =9C B< F' : (C= < ; D : (' A ; <9; ' C((: ' ; 9A : ' AC ' (C !: :B' < ' &OOT' (9' (' 1 C E) ' < ' 1 CQCF9 ' C('C ' < ' @9C :' 9!' (<D :' : : ' (; :' 99D' (; 6 ' FC< :B' AC ' =E' 9' D :C ' 9!!<@<: ('(9' C@@9D D9BC(:' D9 :' (; C ' & 0*0' =9E Z9!' A ; 9D' C' C F:' @9 (< F: (' =: 9 F' (9' (; :' 39C : :' 9DD <(E' C B' :@:< :' (; :< ' :B99C(<9 ' :<(; : ' F C(< ' 9 ' C(' : E' :B6@:B' C(: Z 39 : D: ('9 ' C?? <@C(<9 ' F C (:B' C ' CB C@: (' ? 9(' 9!' C B' !9 ' C ' CBB<(<9 C ' =9< B< F ' A ; <9; ' ; 96 B' ; 9 B' (; :' 9A : '9 C '9!'(; :' ; <F; ' 9; 99 ' ; < ' 9 (: <99 ' > 9A ' C ' (; :' .' aC <:) ' 1 <BB :' @; 99 .' AC ' @9D '

=5 (K< ' !2 '

($R:<:@' C(' C' @9 (' 9!' :' & #, 000' C@ ' (:C ' 9?: :B' !9 ' :@=99 ' ::'
< ' C C E' &OP& ' =9CF;' !9 D< F' 9 :' < :B(C(9 ' K<(;' (;:' 9 B'
(' aC <: :' <(' < ' 9@C E' B:(C@;:B' ! 9D' 2' =E' (;:'< (: : < F' ?;< H'
(9 :' 2<F;' @;99 ' 9!<<(:@(C E' <(' 9(' (DA9 (;< E' < C :' (;:'
=:C (E' 9!' (;:' F C B' (@(::' =:(A:: ' A;<@;' <(' (C B ' 9C' C<9>"
:;C >' 9CB ' (;:' ?;< (9<:' 2<F;' @;99 ' C B' (;:' CD ' 29 ?<H'
(C ' 1:C: < F' W00' < ' ! 9 (' A<(;' (; ::' (9 :E '<(' 9 (C< ' C' 9;C?@ '
*' ;C ' C B' &T' C F:' C B' : :FC (E' !9 ;< ;:B' @ C ' 99D ' 9' (:('
(9' (' <.C <:) ' ? 9?: ' (;< ' 9A' F< : ' C@@9D D9BC(<@ ' (9' (;:' 6??: H'
: ;99 ' 9 C : ' (;:' 9@ :F:' :9! :' ;C ' (;:' <= C <: ' C B' D : D '
(' ;C ' 9' : : :' !6 B ' (6(' DC< (C< ' <(: !' ! 9D' (;:' @;99 ' ! ::'
C B' (;:' 9 : D: (' F C (B 'C<B ' ;:' @9 :F:' ;C ' (;:' <F;(' (9'
(; ::' C= ;< C' !: 9A ;<? ' ;: :' C :' C' 9D=: ' !' :9=9 C =<? '
C C< C= :' !9 ' (;:' :(B: (' 9!' (;:' ;<F;' @;99

& ' ;:' < ' 9AC <' :;n F< ' :CB D9 :E' 9 (F : :' @;9 C ;<?
W ' ;:' :A< ' 39 C : ' @;9 C ;<?' * ' ;:' 9((F : :' @;9 C H'
;<?' : <B: ' (;: :' (;:' @9 :F:' CA<' B ' (;:' 8 < ' ' D:BC)' (;:' 8' <?9 \'
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C :' ?6= < ;:B' < ' (;:' C 9C ' M' C : BC ' 9!' (' aC <:) ' 9 :F: Y

9 F<B: <((F' (;:' TQ:B' ?6 ?9 :' C B' (;:' (:CBE' ? 9F : '< ' (;:' @C6 :'
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aC <:) ' 9 :F:' (C B ' !9 (;' C' C (< F' D9 D: (' 9!' (;:' A9 B: !C '
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;:' :A' ?;< (9 :' 2<F;' @;99 ' (9' A;<@;' < ' =: (' C 99
gggggg ggg' ' ' ;C ' @9 (<=9(:B' f&# 000' ;C ' =::
;:' \ ?= (9 :' 2<F;' :;99 ' : :9 :B' 9 ' (;:' ! 9 (' 9!' (;:' ? CH'
CB:' 1C< ' 9CB ' (<DC(: ' ' # 00 %T#' ' :U?: B<(6 : ' ' # TP %%*'
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@ ; 9<@ :' C B' C :' >< B ' 9!' (9?<@C ' (: : ' C B' ?< 6(' C C F : B'
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@C : ' (=: ' F9 F : 96 ' C B' C <: B' @@ . D : ' 9!' (; :' C(< :' B<: '
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(; 96 C B R ' @9D=< < F' A<(; ' (; :' <@ ; ' F : : ' 9!' (; :' 6 96 B' '
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??9 <(:' (; :' DC<C' :C(C 9:' (9' (; :' CA!9 B' 1C >:(' (C B ' (; :' :A' ; :CB'VCC (' 9!' (; :' 9D=CE' S:A' 9 <9:'! :CB' `CC<(: ' 9 <=: '9 :' 9!'(; :'; C B 9D: ('C B'A<(; C ' D 9 (' = (C (<C ' =6< B< F ' : :@(:B' 9 ' (; :' ? C CB:' (C(: ' ; :' =6< B< F' < ' < ' (; :' 9D: (<@' 39(; <@' (E :'9!' C 9;<(:6 :' (; :' @: (C ' !:C(6 : '@C??:B' A<(;' C FC= :' C B' A<(;' C ' 9@(CF9 C ' (9A: ' =:< F' 9 ' (; :' 96(;' !CFCB: ' ; :' (C< @C :' (9(:(' C('(; :' =C@>' C :' !< < ; :B' A<(;' <D ?9 < F' (9A: ' C B' ;C B 9D:' !< < B ' C B' (; :' A;9 :' =6< B< F' < ' 6 D 96 (:B' =E' C' (6 :(' !9 (' !: :(' ; <F; ' C=9 :' (; :'(9?' !' (; :' DC< ' FC= :' 99!' ; :' =6< B< F' < ' : (: :B' (; 96F;' C' (C< 9C :' : (<=6 :' 9 ' (; :' <F; ('C B' :!('9!' A ;<@;' C :' 9@C(:B' (; :' 6=9 B< C(:' ?9 <@:' 9!!<@:')' 9!!<@: ' (; :' 9@>';? ' (9 ' 99DC ' C B' (; :' C B' @9 :EC @:' C B' 9(; : ' 9!!<@: ' D 9 ('! :V6: (:B' =E' (; :' ?6= <@' : E' C :' ; C ' =: : ' (C>: ' (9' ? 9 <B:' !9 ' (; :' 99? : <: : :' 9!' (; :' ?6= <@' ; C < F' =6 < : ' A<(;' (; :' ?9 <@:' C6(;9 <(<: ' < ' (; :' C <96 ' = C @; : ' C B' B:?C (D: (' ;6 ' (; :'9!!<@: '< ' @;C F:' 9!' (; :' <@: < F' 9!' C B' @9 :EC @: ' ;C ' ;< ' 9!!<@:'9 ' (; :'F 9 B'!<99 'C(' (; :' 9 (;' K< F' 9 ' (; :' C@' 1 :CB' ('< ' 9' C C F:B' (; C(' (; :' DC E' ;6 B :B ' 9!' ?: 9 ' A ;9' ;C :' (9' F9' ')' ' <@: @: ' @C ' (C C@(' (; :< ' < < : ' A<(;' @9 : <: @:' C B' B: ?C(@; ' FC< ' (; :' ; :CB' 9!' (; :' <D< C' : (<FC(<9 ' :?C (D: (' ;C ' ; < ' 9!!<@:' ' (; :' F 96 BH' ! 99 ' B: ' (; :' @9 : ' (6 :(' 9 ' (; :' :C (' A ; : :' ; :' A9 B' =:' :C < E' C@@: <= :' (9' (; 9 :' A ;9' D<F; (' A< ;' (9' :' ; <D ' ; :' : (C @:' : (<=6 :' < ' ?C :B' A<(;' C' ;C B 9D:' B: <F ' < ' 1< (9 ' (< : ' ('< ' ? 9?9 :B' (9' ?!<C@:' (; :' =6 ('9!' (; :' C(:' < ' C >' 96(: 'C' ;C6B 9(:' A 9 .' < ' DC = : ' K ;<@;' AC ' ? 9@6 :B' =E' C (= @ <? <9 ' C<(:B' =E' (; :' ?9 <@:' !9 @:' C!(: ' ;< ' B:C(; ' 9 ' (; :' C B< F' 9!' (; :' DC< ' (C< @C :' :CB< F' ! 9D' (; :' : (C @:' : (<=6 :' (9' (; :' !< ('(9 :E' ' F9< F' ? (C< ' (; :' < <(9 ' (9' (; :' :A' = \B< F' !< B ' (; :' 9D< < <9 :) ' 9!!<@: ' A<(;' :(< < F' 99D ' 9 ' (; :' :!(' ' (; :' !< ('(9 :E' A<(;' C@@9D D9BC(<9 ' !9 ' ;< ' @ : > ' :U(' (9' ;< ' 9A ' 99D ' ' (; :' <F; ('9!' (; :' 9 (;' A< F' 9 ' (; :' !< ('(9 :E' C :' 9@C(:B' (; :' 9!!<@: ' 9!' (; :' :?6(E' 9D D< <9 : ' C B' 9!' ;< ' @ : > ' N9 ' (; :' @9 : <: @:' 9!' (; 9 :' ; C < F' =6 < : ' A<(;' (; :' 9D D< <9 : ' C B' (; :' :?6(E' 9D H' D<C <9 : ' C< E' 9!!<@: ' C B' K C<(< F' 99D' C :' ? 9 <B:B' 9 ' (; :' !< ('(9 :E' ' (; :' :@9 B' (9 :E' A ;<@;' < ' C?? 9C@; :B' =E' (; :' (C< [@C : ' C('(; :' =C@>' 9!' (; :' =6< B< F' A<(;' C' <: A' (9' F< :' ? < C@E' (9' (; ?' : <B: (' C@:' 9@C(:B' (; :' V6C (: '< (: B:B' !9 ' 9 :' ?: <6(:6B: (' . ' < ?:@(9 ' C B' (A9' 6 9?:C ' @9 (C= : ' ; :' (; < B' (9 :E' ? 9[<B: ' V6C (: ' !9 ' (; :' : C (' 9!' (; :' 9!!<@: ' A ;9' ;C :' (; :< ' : <B: @:' 9 ' (; :' :@9 B' (9 :E' ; :' 996 :2<: @:' 9!' (; :' : <B: (' ;C ' =: : ' (6B<:B' < ' : : E' B:(C< ' :C@;' 9!!<@: ' ;C < F' C' @9D ? :(:' #('9!' : C ( )' ;96 : '><(@; : ' b9 ' A<(;' C ' (; :' C(: (' C <(C E' <D[? 9 :D: (' ; :' ?9 <9F' =C C@> ' <(C(:B' 9 ' (; :' A: (: ' <D<(' ?!

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2 ' ' 1 S

;:' N:BB: ' 1C >:(' C(' 1CQCF9 ' ;C :' =:: ' =6< (' < ' B:!: : @:' (9' 6D: 96 ' ?:(<(<9 ' ! 9D' (;:' < ;C=<(C (' (;: : ' A ;9' ;CB' 6 (' @C6 :' (9' =:' B< C(< !<:B' A<(;' (;:' !< (;E' C B' 9 : @ 9AB:B' ;:B ' A ;<@;' ;<(;: (9' B<B' B (E' C ' (;:' DC (' !9 ' (;:< ' BC< E' 6?? <: ' 9!' !99B ' ;:' ? . C(<9 ' 9!' 1 CQCF9 ' < ' @;<:! E' @9D ?9 :B' 9!' ;<(<C ' C' F :C(' ? 9?9 (<9 ' 9!' A ;9D' C :' 6 9?:C ' C B' 9 (6F6: ' ò (;:' B:DC B' (;: :!9 : ' !9 ' ! : ;' C <DC ' !99B' C B' !9 ' C' 6<(C= :' DC >:(' (9' ?6 @;C :'<(' <:' =:@CD:' C' :@: <(E' A ;<@;' @9 B' 9(' =:' 9 : 99>:B' ' @9 :V6: (E' (;: :' 9!(E' C< E' C B' A: ' : (<C(:B' =6< B< F ' A: :' : :@(:B' < ' (;:' @: (:' 9!' C' :C(E' C<B'9 (' FC B: ' : @ 9 :B' =E' C')' (C (C' AC ' A<(;' 9 CD: (C' C<< F ' 9' ? :(: <9 ' C(' C @;<(:@(6 :';C :' =:: ' C<D:B' C(' =6(' (;:' =6< B< F ' C :' < ' : : E' ACE' A: ' 6<(:B' !9 ' (;:< ' ?6 ?9 :' ;:E' C :' @ :C ' ?C@<96 ' (;9 96F; E' A: ' B C< :B' C B' ? 9 <B:B' A<(;' C ' CD? :' 6?? E' 9!' AC(: ' C B' 9' !C ' ! 9D' =:< F' 9!!: < :' C ' DC >:(' 9!(: ' C :' < ' (;< ' @96 (E' C :' 9 '(;:' @9 (C E' 9(' 9 E' C ' C@V6< <(<9 ' (9' (;:' : <B: (' C ' C' DC((: ' 9!' @9 : <: @: ' =6(' ! 9D' (;:< ' FCE' C B' ? :C < F' C??:C C @: ' ;C :' =:@9D:' V6<(:' C' !:C(6 :' < ' (;:' :<F;=96 ;99B

;:' C F: ' =6< B< F' :C '(;:' DC< ' : (C @:' < ' (;:' N 6<(' 1C >:(' A ;: :' C ' >< B ' 9!' ! <(' C B' :F:(C= : ' C ' (;:< ' :C 9 ' @9D: ' 9 B' DCE' =:' 9=(C< :B' ' C B' (;:' =6< B< F' < ' :C ' 9!' (;< ' < ' (;:' N< ;' C B' 1 ((9 ' 1C >:(' C(' 9 :' : B' 9!' A ;<@;' (;: :' C :' : : C ' (C ' !9 ' (;:' C :' 9!' D ((9 ' A ;< :' C(' (;:' 9(;: ' :@B' 9(;< F' =6(' ! ;' < ' 9 B' ! (;< ' C (' @9D D 9B<(E' 9D=CE' < ' ?C (<@6 C E' ! 6<(!6 ' !9 ' :U@:?(' B6 < F' (;:' D9 99 ' A ;: ' (;:' !< ;< F' =9C(' BC :' 9(' !C@:' (=:' A:C(;: ' DC E' >< B ' C B' C <:(<: ' 9!' !< ;' 9!' :U@: : (' V6C <(E' C :' C ACE ' ;: :' !9 ' C :' N9 ' (;:' :?<@6 :' 9E (: ' ; <D? ' ? CA ' 9= (: ' C B' CE' !< ;' C :' C ACE ' (9' =:' 9=(C< :B ' A ;< : ' 9 ' (;:' +(;: :

;C B ' (; :' (9DC@;' A ;<@;' ? :!: ' V6C (<(E' (9' V C <(E' DCE' F C(<!E' <(' 6(D9 (' B: < : ' A<(;' (; :' ;C >' (C>: ' A ;<@;' C :' C D9 (' BC< E' 9!!: :B' !9 ' C :

; :' : :!' 1C >:(' < ' ? C@:B' C?C ('! 9D' (; :' 9(; : ' C2B' < ' D ` ;' DC : '@9 (C< < F' ?C@:' !9 ' :<F ; (' (C ' 9 E' ' ;6(' 9(A<(; (C B< F' < ' < ' : : E' ACE' CB:V6C(:' (9' (; :' B: DC B' 9!' (; :' =: :!'' :C(: ' 9!' 1CQCH F9 ' N : ;' =: : !' < ' BC< E' 6?? <:B ' C B' : : E' ? :9C6(<9 ' < ' (C>: ' (9' ? : : (' (; :' < (9B6@(<9 '9!' C E' < !: <9 ' V6C <(E' 9!' D :C(' < (9' (; : :' DC >:(

; :' (9(C ' 99 ('9!' (; :' 99 (69(<9 ' 9!' (; : :' DC >:(' AC ' ' *% OOO ' ; :E' A: :' CD :B' C!(: ' (; :' (; : ' 1 6 <@<?C ' 9DD< <9 : ' 1 ' K ' Y ' N9BB: ' 3 ' (9' A ;9 :' : : (<9 ' (; :E' 9A :' (; :< ' :>< (: 9:

K :' A< ' 9A' (C>:' (; :' < <(9 ' =C@>' 9 @:' D9 :' (9' (; :' ?9< (' A ; : :' A :' < (9B6@:B' ; <D' (9' 9D=CE' (; :' :C6(<!6 Y Z (; :' ?9 9' 6 B: ' 6 < F' (9' (; :' <F ; (' ! 9D' (; :' C< 9<)' 29D : ' C B' ?C < F' 9 : ' (; :' <(:' 9!' (; :' ?9 9' 3C(:' 9!' (; :' 9 B' !9 (<!<@C(<9 ' E9 ' : (: ' (; :' !9 (' ' E96 ' <F ; (' < ' (; :' 9@>EC B ' 9 ' E96 ' :!(' (; :' @9(@;' ;6 @; ' A ; : @:' (; :' < :' 9!' (; :' !9 (<!<@C(<9 ' @C ' =:' (C@:B' =E' (; :' ! 9 (CF:' 9!' (; :' ;96 : ' 6 < F' ?C C :' (9' (; :D' C 9 F' SCD?C (' 9A' (9' = 9=' 3C(: ' C B' 29 =E' 9A' (9' CQCC ' 3C(: ' ; :' N9 (' < ' B< <B:B' < (9' (A9' A: ' DC >:B' :@(<9 ' N 9D' (; :' @9(@;' ; @;' (9' (; :' A: (: ' : B' 9!' ; @;' 3C(:' (::('6?' (; < ' (::((' (9' (; :' C(; :B C ' <?; < (9 :' < @ ; ' C B' (; :' 9A ' 2C ' C B' =C@>' =E' (; :' 6 (9D' 296 :' (9' (; :' 9@>EC B ' < ' (; :' 6 9?:C ' V6C (: ' @9 (C< < F' (; :' 39 : D : ('C B' D : @C (< :' 9!!<@: ' C B' (; :' ? < @<?C ' 6 9?:C ' ; 9? ' ; :' 9 (; : ' :@(<9 ' 9!' (; :' N9 (' ! 9D' (; :' C(; :B C ' (9' 9??9:<' :: (b: 3 ' ' ' C< ACE' (: D< 6 ' C(' 9(: :' 6 B: ' < ' (; :' C(< :' =CQCC ' @; <:! E' 9@@6?<:B' =E' C ::: ' ; :' F :C(: ('?9 (<9 ' 9!' (; :' ;99 :' ? 9[?: (E' < ' (; :' N9 (' ; C ' =:: ' :C(:B' < @:' &%#O' A ; : ' (; :' 99D? :' (<9 ' 9!' (; :' < :' 9!' !9 (<!<@C(<9 ' DCB:' (; :' < ;C=<(C (' 9!' 9D=CE' C ><96 ' (9' < :' A<(; < ' (; :' AC ' 1 ' KC B: ' :@ :(C E' (9' 39 : [D : (' < ' &O&W ' D : (<9 ' < ' ;' ' :?9 (' 9 ' (; :' C B:B' : 6 : ' 9!' 9D=CE ' (; C(' ?:9? :' (; : ' < < F' @96 B' M' :9(' (; :' ?C@:' 6 ' A ; <@;' (; :' 39 : D : (' 29 :' < ' =6< (' C B' (; :' A ;9 :' C F:' A ; : :' (; :' ?:' K C >' + CD?C (' 9A ' K R' (99B ' < @ 6B< F' (; :' ? :D< : ' =: 9 F< F' (9' 1 ' N9 =: ' C B ' ! < !C@(' (; :' =: (' ?C (' 9!' (; :' N9 ('C ' ? C (C(<9 ' 9!' 9999C 6(' A ;<@;' <(' =:@CD :' (; :' ?9 <@E' 9!' (; :' 39 :DD : ('(9' C@V6< :' C B' (9' :D 9 :' Y ' C B' < ' ? < ('9!' (; :' C((: ' ;C ! 9!' (; :' :<F ; (: : (;' @: (6 E' (; :' 9 E' =6< B< F ' ;9A ' 99(;' 9!' (; :' C(; :B C ' C(:' 39 : [D : (' 296 :' +(; :' 9 B' :@ :(C <C(R ' (; :' 6 (9D' 29 :' C B' (; :' =6< B< F' > 9A ' =E' (; :' CD :' 9!' (; :' 9 B' 2<F ; ' 96 (' 9' < B6@:' ?:9? :' (9' :((:' < ' 9D=CE ' (; :' 39 : D : (' C(' !< (' FC :' $' C B' (9' C E' 9 :' A ;9' A< ; :B' (9' =6< B ' C B' (; 6

D9 (' 9!' (; :' EC C = :' F 96 B' AC ' V <9> E' \ : C(:B ' ; : ' (; :' 39 : 9D : (' AC '@9D ?: :B ' A ; : ' ? : :B' !9 ' 99D ' (9' = E' =C@>' 9=' ? 9?: (E' C ' <(' AC (:B' ! 9D' (; j' (: C (' ' ?C ('9!' (; :' :U(: '' < :' C B' CD = < F' C F :' 9!' =6< B< F ' !9 D< F' (; :' 9 B' :@ : (C <C('AC '< ' &%T,'<?C @; C :B' ! 9D' 1 ' K ; <(: ; < ' !9 ' ',# OOO' ; :' <(:' 9!' (; < ' 9! @ :' ; CB' ? : <96 E' =: : ' C' (C >' A ; <@ ;' AC ' T&&:B ?' =E' 1 ' K ; <(: ; < ' C B' (; :' =9 :' : :@(:B' (; : :9 ' ; :' :@ : (C E) ; 96 :' <C' (; :' CD :' @9D ?96 B' AC ' =96F ; (' ! 9D' 1 ' :@ : (C E' C : :@ 9!(' < ' &%O `!9 ' ' W0 OOO' ' ;9 :' C B' =C@>' C?C (D : (' CB 9< < F<(; :' 1 C < :' 296 :' A : :' ?6 @ ; C :B' =E' (; :' 39 : D : ('! 9@' 1 ' 3 :9 F :' F C B' < ' &%TT' C ' =: < F' @9 : <D (E' <(6C(:B' !9 ' C E< F' ' (; :' B<!!: : (' = C @ ; : ' 9!' (; :' DC < :' =6 < : ' !9 ' ' W% T%O ' ; :' 96 (' 296 :' C??: C ' (9' ; C :' =: : ' ?6 @ ; C :B' C=96('(; :' CD :' (<D :' !9 ' ' T0 OOO' ' &%PO' (; :' 39 : D : (' =96F ; (' !9 ' ' W% OOO' (; :' ;96 : ' 96!$; 96 : : ' C B' @9((9 ' @ : A ' :C ' (; :' 9 B' =6 B: ' =: 9 F< F' (9' 1 ' 59 ; ' 26 (: ' <D D D :B<C(: E' CB 9< < F' (; :' 9D ?C E) ' ;9 ?<(C ' Y ' A ; <@ ;' =CB' =: : ' 9' 9!(: ' :@9D D : B :B' =E' < ' BAC B' 26F ; : ' C B' 9(; : ' (9' =:' (C>: ' < (9' ' DC < :' EC B)' ' &OO*' C' F :C(' T :' = 9>:' 96(' < ' (; :' N9 (' C6B' B: (9E :B' :C E' (; : :' !96 (; ' 9!' (; :' =CQCC ' (9F :(; : ' A<(; :' (; :' =C C@> ' @6 (9D[;96 :' C B' DC E' 9(; : ' ?6= <@' =6< B< @ ' C B' ? 9?: (E' 9!' <D D : ' C 6 :' = : 9 F< F' (9' (; :' C(< :' D : @ ; C (' 1 C E' ;96 : ' < ' (; :' :<F ; =96 ; 99B' 9!' (; :' C (:' ': :' =C((: :B' B9A ' =E' (; :' C (< : E' (9' (9?' (; :' ? 9F : ' 9!' (; :' BCD : ' C B' ? : : :' (; :' DCFCQ< : ' 9 ' < ' C ' ? 9=C=< <(E' (; :' A ; 9 :' (9A ' A9 <B' ; C :' =: : ' B: (9E :B' ; :' 9D ?C E' : 9 :B' (9' :=6< B' (; :' (9A ' C B' (<:B' (9' : 6D :' C' F :C(' ?C (' 9!' (; :' ? 9?: (E' ; :E' A : :' D :(' ; 9A : ' =E' 'C' 99D=< C<(<9 ' 9 ' (; :' ?C (' 9!' (; :' C(< :' C B ; 9 B: ' C B' < C??: C ' ! 9D' A=C('@CD :' 96(' < ' (; :' < V6< E' < (<(6(:B' 9 '(=:' 9D ?C E) ' =: ; C ! ' V9D :' E :C ' C!(: AC<B ' (; C(C((; C((<D :' 9D :' 6 9?: C ' D : 9=C (' A : :' < ' ?9 : <9 ' 9!' C' F99B' B :C ' 9!' ; 96 :' ? 9?: (E ' 1 ' :@><: ' !96 B : '9!' (; :' ; 9 :' 9!' : ><:' C B' 9 ' B :A' < ' &O&W' C ' < @9D :' 9!' f * OOO' C' E :C ' ! 9D' ; < ' ? 9?: (E' ' 9 (' A ; <@ ;' CB 9< :B' (; :' @9(@ ;' ; 6 @ ; ' C B' C' ?C ('9!' A ; <@ ;' < ' 9A' :? : : (:B' =E' (; :' 9!!<@:' 9!' < ' ; C : ' N9 =: ' C B' 9' N6 (; : ' C 9 F' 9?:' K C >' (: :(' + 9' 9 :B' ! 9D' (; :' 9?:' K C >' ; : :' >: ?('! 9 ' DC E' E :C ' =E' (; :' 9D ?C E' !9 '(; :' DC 6!C@(6 :' 9!' @9< ' 9?: ' @ R ' C B' C(' (; :' =9((9D' 9!' N9 =: ' (: :(' 1 '+C!(: AC B ' < ' ; C : R' N9 =: ' =CB' =6< (' (; :' 9!!<@:' 9A' 9@@6?<:B' =E' 1 : ' ' C 99 ' C B' 9 ' C B' (=: 39 : D 9: ('=CB' C V C : ' A<(; ' 1 ' (: AC (' 1 ' N9 =: :) :' ?C (: ' !9 ' : 9 9C9=< F' 9 ' (;<:' 9CB' =E' @9 < 69(< :' H C' 6<(:' 9!' 9A' =6< B< F ' CB 9< < F' ; < ' ; 96 :' !9 ' (; :' 7 % ' 9!!<@:)/ ; :' =6< B< F' A<(; < '(; :' AC '9!' (=:' N9 (' < @ 6B< F' (; :' =C C@> ' (; :' : : C< ' C B' (; :' B9@> ' A : :' C ? :B' <$E' 1 ' K C B: ' < ' &O&W' C(' 9?:

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(' (; :' (<D :' D ; : ' (; :' B9@> ' A : :' 2 (' DCB:' < ' 9D=CE' <9' &%*0' 6 9?:C ' ;<?'=6< B: ' A : :' 9(' (9' =:' ; CB ' =6(' !9 ' 9D:' E:C ' ? : <96 E ' C(' (; :' C (' B<C' 9D?C E) ' =6< B< F' (C(<9 ' C(' 6 C(' C' C : :9' !9 : DC ' CD :B' 9A : :' C : AC : :' ; C ' = : : ' : D? 9E:B ' A ; 9' ; 9A :B' : DC >C= :' C?(<(6B:' < ' (; :' C (' 9!' =<?'=6< B< F ' :' AC ' = 96F ; (' ! 9D' C(' (9' : (C= < ;' (; :' 9@>EC B' < ' 9D=CE ' C B' !9 ' **' E:C ' ; :'C@(:B' C ' DC (: '=6< B: ' ; : : ' C B' ! 9D' (; C(' BCE' (9' A<(; < ' C' ! : A ' E:C ' CF9'C' B< :@(' B: @: BC (' 9!' 9A : :' 6 : AC <: :' !< :B' (; C(' : ?9 <= :' ?9 <(<9 ' ; :' D : D=: ' !' (; < ' NC : :' !CD < E ' A ; 9' ; : B' (; :' C??9< (D : (' 9!' DC (: '= < . ' < ' 9D=CE' !9 ' 1 ' E:C ' ?: !9 D :B' (; :< ' B (<: ' A<(; 96(' C E' 6 9?:C ' 6?: < (:6B: 9: ' ; : :' NC : :' ;<?'=6< B: ' +(; :< ' !CD< E' CD :' < ' K CB<C' 9 ' ;<?'=6< B: R' DCB:' (; :' :?6(C(<9 ' 9!' (; :' 9@>EC B' < ' <(' :C <: ' BCE ' =E' (6 < F' 96(' A : '=6< (' ;<? ' @9 (6@(:B' @ ; <: ! E' 9!' (:C>A99B ' A ; <@ ; ' C ' (; :' A9 D' A< ' 9(' :C(' <(' C B' C ' <(' @9 (C< ' 9< ' : 96F ;' (9' ? : : (' (; :' < 9 ' @ C(? ' C B' ; 9 (' (; C(' =< B' <(' ! 9D' 6 (< F ' ; C ' D9 :' : B <9F' V C <(<: ' (; C ' 9C>' ; :' 9A : :' !CD< E' ?9 : ' DC E' (: (<D9 <C ' ! 9D' <(< ;' BD<H' C : ' <6@ 6B<9F' 9 :' ! 9D' <@ :' BD< C ' < ' BAC B' 26F ; : ' < ' &%OO' (9' 1C 9@> : :' 9A : : ' (9' A ; 9D' C 9' AC ' ? : : (:B' C' D:BC ' M' !9 ' : <@ : ' B: :B' (9' (; :' C(<9 Y' ! 9D' (; ' 2 9 96 C= :' (; :' C (' B<C' 9D?C E' < ' &%OP ' ! 9D' BD< C ' 6 BC ' < ' &OO& ' ! 9D' :C ' BD< C ' < ' ;9 ' 9A= <BF:' < ' &OOW ' A ; 9' A 9(: ' M' & ; C :' ? (BF:B' DE : !' E96' A< ' ? 9B6@:' ;<? ' (; C(' A< ' :@ <? :' (; 9 :' =6< (' < ' F C B Y' ! 9D' 39 : 9 ' 6 @C ' ' C B' ! 9D' (; :' ?: < (: B: (' !' 9D=CE' 1 C < :' < ' &OO# ' C B' (; 96F ; 96(' (; :< ' @C : : ' (; :' NC : :' ;<?'=6< B: ' C?? : C ' (9' ; C :' C ACE ' 99 B69(:B' (; : D : ' < ' C' ;<F ; E' ; 9 96 C= :' DC : ' C B' (9' ; C :' =: : ' D9 (' : U9: :6(' A9 >D : ' ; :' C (' DC (: '' =6< B: ' AC ' S ; C ' C ; CB6 ' 5CD : (: :' ; 6 : :=; 9E ' A ; 9' = : 9 F ' (9' (; :' 9A : :' !CD < E ' C B' AC ' < ' (; :' : <@:' < ' (; :' 9@>EC B' < @:' ? <' & (' &O, ' C B' AC ' DC (: '=6< B: '! 9D' 1 C @ ; ' &O#' T' (9' 5C 6C E' &OO#' A ; : ' ; :' : (< :B' 9 ' C' ?: <9 G

6 < F' (; :' ?C (' ! : A' E:C ' (; :' ? : B<B' C@@9D D 9BC(<9 ' ? : <96 E' : U< (< F' C(' (; :' B9@> ' ; C ' = : : ' !6 (; : ' :U(: B:B' C B' <D ? 9 :B' =E' (; :' @9 (6@(<9 ' 9!' (; :' : A' K : (' 9@> ' C B' (; :' <D ? 9 : D : (' 9!' (; :' 6 @C ' 3 C < F' 9@>' ; :' K : (' 9@> ' A ; <@ ; ' < ' <(6C(:B' = : (A : : ' (; :' 9 B' (9D ' 6 B: ' C B' (; :' 39 : D : (' E' 9@>' ; C ' = : : ' @9 (6@(:B' C B' <D ? 9 :B' !9 ' (; :' C999D D 9BC(<96' 9!' (; :' < @ : C < F' ! : : (' < ' B<C ' AC(: ' 9!' (; :' 9EC ' C E' C B' (; :' 9EC ' B<C ' 1 C < : ' ; :' K : (' 9@>' ; C ' C : C' 9!' C=96(' !< :' C@ : ' C B' C' B : ?(; ' 9!' AC(: ' 9 ' (; :' < ' C(' ; <F ; ' ? < F' (<B: ' 9!' (A : (E' <U' !: : (' C B' ? 9[<B: ' C99: D D 9BC(<9 ' !9 ' : <F ; (' : : ' 9!' C F :' (9 CF: ' (; :' A ; C !CF:' =:< F' C=96(' <U(: : ' ; 6 B :B' < : C ' ! : : (' ; :' : (C @ :' < ' <U(E' ! : : (' A' B : ' C B' < ' @ 9 :B' =E' C ' C C F: D : (' A ; <@ ; ' < ' @9 <B: :B' (9' =:

C ?: <9 '(9' (=:' 9 B' B9@>' FC(: ' + &&' C' ;C9 \ «F'@C< 9 '99 (C@(:B' 9 ' (; :' D9 ('<D? 9 :B' ? < @<? : ' ; :' VCC ' < ' ! <: ; :B' A<(; ' 9 :' (; < (EH' (9 ' @ C : ' A<(; ' 9(; : ' 9!' ;<F; : ' <!(< F' @C?C@<(E' ??\ :B' A<(; ' ;EB C6 <@' ?9A: ' C B' !< :' =EB C <9' @C? (C ' ' (; :' 9C(; 'A: (' @9 : 'C' DC 'B E' B9@>' ; C '=:: ' @9 (6@(:B ' A ; <@; ' @C '@9D!9 (C= E' :@:< :' (; : :' (9 ?:B9' =9C('C B' C' =9C(' <?' < ' CBB:B' !9 ' B:C < F' A<(; ' ' <F ; (' @ C!(' A ; < (' 6 B: ' :?C< ' ' (; :' 9(; : ' <B:' 9!' (; :' B9@>' C(' (; :' :C ' 9!' (; :' (9D ' 296 :' C' (<BC ' =C < ' ; C ' =:: ' @9 (:(:B' A ; <@; ' C(' (; :' 9A: (' ? < F'(<B:' ; C ' C' B:?(; ' 9!' <U' !: : (' 9!' AC(: ' ;C ' C' A ; C !CF:' 9!' <U' ; 6 B :B' !: : ('< ' : F(; ' C B' !<!(E' !: : (' A<B: ' C B' < ' !6 < ; :B' A<(; ' (:? '

; :' 6 @C ' 9@>' ; C ' =:: ' B: :?: :B' =E' C=96(' : : ' !: : (' (; :' CBB<(<9 C ' : F(; ' < ' <U(E' !: : (' A ; < (' (; :' A<B(; ' ; C ' 9A' =: : ' < @ :C :B' (9' !9 (E' :<F ; (' !: : (' (' < ' ? 9 <B:B' A<(; ' C' ! 9C(< F' @C< 9 ' =E' D:C ' 9!' A ; <@; ' C B' C ' < : (' ? C@:B' C=96(' D<BACE' < ' (; :' : F(; ' 9!' (; :' B9@>' <(' @C ' =:' B< <B:B' ' (A9 ' C B' (; 6 '!9 D' 6??: 'C B' 9A: 'B9@> ' R /' C' :@9 B' : ' (9' =:' B9@>:B' A<(; 96('< (: !: < F' A<(; ' C' ; <?' < ' (; :'!< (' =: (; ' ; :' : F(; ' 9!' ; <?' 99D' < ' 9A' C=96(' <U' ; 6 B :B' C B' !9 (E' (; : :' !: : (' C B' (; :' B:?(; ' 9!' AC(: '9 ' (; :' < ' C(' ; <F; ' F< F' (<B: ' < ' (A: (E' : : '!: : (' ; :' @9 ('9!' (; :' A9 >' < ' (; :' K:(' 9@>' < ' ?6(' B9A 'C(' =:(A: ' < :' C B' (: ' C>; ' 9!' 6?: : ' A<(; ' C ' CBB<(<9 C ' (; : :'C B'C' ; C !' C>; ' !9 ' : F< : ' C B' DC@; < : E' :' @9 (' 9!' (; :' <D? 9 :D: (' < ' (; :' 6 @C ' 99>' 9 D96 ('(9' (A9'C B'C' ; C !' C>; ' !9 ' (; :' F: : C ' A9 >' C B' C ' CBB<(<9 C ' C>; ' !9 ' (; :' (: : ' FC(: ' @C< 9 ' C B' DC@; < : E' ; :' C(9 :' : D? 9E:B ' A<(; ' (; :' :U@:?(<9 ' 9!' =:C < F' (9 : '!9 '(; :' @C< 9 ' < ' C B' FC(:' V69< ' A ; <@; ' C :' 9!' 9 < ; ' F C <(: '< ' = 6:' =C C (' ? 9@6 :B' ! 9D' 9@C ' V6C <: ' ; :' ? C ' A: :' ? :?C :B' =E' C?(C< ' 3 ' 1 ' 9 (: ' S ' U:@6(< :' F< : : ' 9@>EC B' < < <9 ' 1 < <(C E' K 9 > ' :?C (D: (' C B' (; :' A9 >' AC ' : (6 (:B' (9' (; :' !< D' 9!' 1 : ' 6 > :E' C B' 9D?C E

9 F <B:' (; :' B9@> ' < ' (; :' (:CD' !C@(9 E ' C' =6< B< F' ,00' !: : (' < ' g' : F(; ' ,O' < ' A<B(; ' C B' ,W' !: : (' ; <F; ; :' (:CD' NC@(9 E ' A ; <@; ' @9 (C< ' C ' (; :' DC@; < : E' :V6< <(:'!9 ' DC>< F' =9< : ' C B' : : E' ?9 (<9 ' 9!' (; :' !<((< F ' 9!' C' DC < :' (:CD': F< :' ' (; :' 6??: '! 99 ' (; :' <F; (: ' DC@; < : E' < ' ? C@:B' C B' ; : :' (; :' DC : ' !<((< F ' C :' DCB:' ' < ' (; :' F 96 B'! 99 ' (; :' ; :C <: ' DC@; < : E' C B' (:CD': F< : 'C :' 9@C(:B' ('(; :' : B'9!' (; :' =6< B< F' 9 ' (; :' F 96 B'! 99 ' < ' (; :' !96 B E' C B' (; :' =6< B< F' @9 (C< ' DC@; < : ' !9 ' 9 < F ' ? C < F' . D @; < F' B < < F' D' (< < F' (: 9 < F' 9((< F' C(; : '9!' C 'B: @ <?(<9 ' C 'B < : '=E' (A9' : F< : ' 9!' &0' C B' W0' ; 9 :'?9A: ' :C@; ' ; : :' < ' C' DC ' < B:?: B: (' (:CD': F< :' 9 ' (; :' ??: ' (9 :E' A ; <@; ' < ' < (: B:B' (9' :('< ' D9(<9 ' (; :' DC@; < : E' 9 ' (; C(' ! 99 '<!' :V6< :B' ! 9D' C E' @C6 :' (9' B9

9 ' ; :' ? 9 ;< F'C B' ; :C < F'? : : 'C :'< 'C 'CB 9< < F'=C< B< F' < @:' (; :' C=9 <(<9 '9!' (; :' B<C ' C E' (; :' A9 >'< ' (; :' !C@(9 E' ; C ' =: : ' :B6@:B'< ' <D?9 (C @:' C B' < ' 9A' @9 !< :B' (9' DC : '?: '' !9 DC@@: ' ; :' (:CD '!C@(9 E'< ' : : (; : : ' : E' @9D? :(: 'C B' ? : : (' C' (: E' < (: : (< F' @: :' A<(;' (; :' C <:(E' 9!' DC@; < : E' =6 < E'C('A9 >'< 'C' 9 F'C B'<D?9 < F' =6< B< F

; :' 9D=CE' 9@>EC B'9 'C ' <(' < ' 9A' > 9A '(; :' 39 : D: (' 9@>EC B'< ' <U' 9 ' : : ' (<D : '=<FF: '(; C ' (; :' S<BB: ?D :' 9@>H' EC B'C(' C @6((C

; :' 6 (9D' 296 : ' A ; <@ ; ' CB 9< ' (; :' 9@>EC B ' < ' 9 :' 9!' (; :' ' g ' 9 B: (' =6< B< F ' < ' (; :' N9 (' ' (; :

; :' 6 (9D' 296 : ' E:C ' &TT#' A ; : ' (; :' 9 (6F6: :' FC : 9 : ' (; :' (9A ' 9!' 9D=CE' C B' (; :'!9 (<!<@C(<96 '(9' (; :' F< ; ' (; :' ? : : (' 6 (9D' 296 :' AC '(; :' =C C@> '!9 '(; :' 9 (6F6: :' 9 B<: ' !(: ' (; :' =C C@> ' @CD :' < (9' (; :' ?9 : <9 ' 9!' (; :' <(< ;' 39 : D: ('(; :'M' A <(: Y' 9A' @C :B' @< <' : C ('A: :' 9BF:B'< ' (; :'=6< B< F'C B'(; :E'A: :' 9= <F:B'(9' :DC< ' A<(; < ' (; :' <D<(' 9!' (; :' =6< B< F'C !(: 'C@: (C< ' ; 96 ' : : E'BCE ' !9 ' (9' / ' 96(<B:' (; :' N9 (' AC ' (; : ' 9(' @9 <B: :B' C!: ' C B' (9' < <(' (; :' C(< :' (9A ' D<F; (' ; C :'=: : '(9'!C '< (9'(; :' ; C B '9!'(; :' : :B: : ' A ; 9' A: :' : E' B: ?: C(:'@; C C@(: '< '(; 9 :'BCE ' ; :'? : : ('=6< B< F'AC ' 9('6 :B' C 'C' 6 (9D' 296 :'(< '(; :'E:C '&OOW' ; :'? < @<?C ' C B< F'? C@:' !9 ' F99B ' ; 9A: : ' AC 'C ACE 'C('(; < '?C ('9!'(; :' !9 : ; 9 : ' ' C '9 B' @; C ('9!' 9D=CE' ; C =96 ' BC(:B' &%%O' (; :'=6 B: 'A ; C !'C B'FC(:'C(:' DC >:B' C ' (C B< F' @ 9 :' (9' (; :' ? : : (' 6 (9D' 296 : ' C B' 1 'N9 = : ' < ' ; < ' D:D9< ' CE ' (; C(' !9 ' AC (' 9!' D:C '(9' =6E' :<(; : ' 6??: ' 9 ' @C B :' ; :' 6 :B'(9' <(' 9 ' (; :' ! C(' 99!' 9!' M' (; :' K <(:)' 6< B< F' @ 9 :' (9' (; :' = 6B:E Y' A ; : ' ; :' AC ' ; <D : !' +&%%OR' C' E96 F' A <(: ' C B' :CB' ; . ? : C :' < ' (; :' D99 <F; (' M' ; :' 29 ' K ' < C = <: (; :' :U(' A9 B' <' :F<= : ' =6(' <(' < ' !9 9A:B' =E' (; :' !<F6 : ' &%&, ' C B' ?: ; C? ' D:C ' (; C(' (; C(' ?C ('9!' (; :' =6< B< F' AC '@9 (6@(:B' < ' &%&, ' 1 ' < C=<:' AC ' 39 : 9 '9!' 9D=CE' 9D' &%OP' (9' &%&, ' C B' (; :' C D ' @6('9 ' (; :' (9 :' C :' (; 9 :' 9!' (; :' C (' B<C' 9D?C E' ('< '? 9=C= :' (; C(' (; <' !9 ('A< F'9!' (; :' =6< B< F' AC ' =6< (' A ; : ' 1 ' < C=<:' AC ' 39 : 9 '=:< F'CBB:B'9 '(9'(; :'9 B' 9 (6F6: :' (6@(6 :

U(: < :' CBB<(<9 'C B' C (: C(<9 '(9' (; :' 6 (9D' 296 :' A: :'9 D" ? :(!'B'< ' &OP#' 'CBB<(<9 C' 6??: ' (9 :E' AC ' CBB:B' F< < F' &0 P,# V6C :'!: :('9!'! 99 ' ?C@: '< @ 6 < :'9!' : C BC ;' C 9 F' (; :' A ; 9 :' : F(; ' 9 ' (; :' :C (' <B:'9!' (; :' DC< '=6< B< F' ; :'=CFFCF:' ; :B' &&&'UW* ' TY ' < @ 6B< F'C' 99D' C(' (; :' 96(;' : B' AC ' :=6< (' < ' 9 B: '(9'F< :' D9 :' <F; (' C B' : (< C(<9 '(9' (; :' 99D ' < ' : C ' C' * Y' @C ('< 96' ?<?: 'O&W' !: : ('< ' : F(; ' A<(;' C ' :@: :C E' !<((< F 'AC ' C<B' < ' (; :' @9D?96 B' C ' 96 B' (; :' =6< B< F' DC< E' (9' 6?? E' AC(: ' < ' @C :' 9!' !< :' ' C B

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AC ' : (C= < ;:B' < ' &OO,' C!(: ' <(' =:@CD :' < @9 ?9 C(:B' A<(;'
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:' 9!' (;:' 99D ' C'((;:' 96(;' : B' 9!' (;:' 9A ' 2C ' @C :B' (;:'
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9 (;' : B' 9!' (;:' C F:' 99D' < ' ? C@:B' (;:' (C(6 : ' =E' ;C (:E ' 9!'
196 ((6C (' ?;< (9 : A ;9' AC ' 39 : 9 ' 9!' 9D=CE' ! 9D' &O&P'
(9' &OW%' C B' A ;9 '=: <B: '=:< F' (;:' 9D D< <9 : ' C??9< (:B' (9' :((:'
(;:' C!!C< '9!' (;:' :@@C 'C!(: ' (;:' B : !:C('9!' C : :' SC9' C B' (;:' (C>< F'
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6(<B:' (;:' 9A ' 2C ' < ' (;:' FC B: '9!' (;:' ?;< (9 :' < @ : '
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; :' C C B' N<: ' 6 (' (; :' < <(9 ' :C@; : ' (; :
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9< ' ; 6FC @C :' ?<@: ' b9 Z < ' @9 B6@(: B' ; : :' ' C B' (; < ' =: < F'
C 9' C' 1C=9D D : BC ' V6C (: ' 9!' (; :'
; :' 1C ; 9DD : BC ' `6C (: ' (9A '(; :' (: : (' C : '!6 ' 9!' ; 9? ' >: ? ('
=E' 9 C ' C B' 1C=9D : BC '!9 ' (; :' : (C< ' C :' 9!' !6D<(: ' @ 9(; < F '
@6(: E ' F C '@ 9@>: E' @ ' ; :' C 9A' @ 9 ' (: : (' : CB< F' B9A '
(9' (; :' ? ; < (9 :' C' ; C : ' C : ' 9!(: ' 9' @ 9AB : B' A<(; ' (C!!<@' C ' (9'
=: ' C D 9 ('<D ? C C= :' ' C B' ; : <> ; ' =B99 ' : ; DC ' (: : (' ; C ' <(' '
B<!!<@6 (<: ' 9!' 9 B< C E' 9@9D 9(<9 ' < @ : C : B' =E' (; :' (CDACE ' A ; <@; '
<C' @C <: B' (; 96F ; ' (; 96F ; ' (; : :' < ' < ' 9D : ' ? C@: ' = C : E'
99D' !9 ' (A9' : ; <@ : '(9' ?C ' : C@; ' 9(; : ' ' F99B' DC E' C : : C'
; C :' ; 96 : ' < ' (; < ' (: : (' A ; <@; ' AC ' (; :' @: :' 9!' (; :' <9('9!' &O%, '
A ; : 'C' 1 : 6 DC ' D9=' A :@>: B' (; : ' C : : ' !< : '(: D? : ' C B' FC B: H'
; 9 'C B' : : C ' BA : < F' ; 96 : ' ; :' 1C ; 9DD : BC ' V6C (: ' : U[
(: B ' <F ; ('C 9 F' (; :' C : ' 9CB ' C B' 9 ' =9(; ' <B: ' 9!' <('C ' !C ' C '
E@6 \ C ' : <B: ' (; :' ? : ((E' D9 V6 : ' < ' (; :' C : ' 9CB ' C : CBE'
9(<@ : B ' (; : :' < ' C' ? < @<?C ' D9 V6 : ' +(; :' 5 DDC' 1 <B?' < ' ; : <> ; '
1 : D9 ' (: : (Z (=: ' (: : (' : CB< F' B9A ' ! 9D' (=: ' (; 6 ' CA!9 B'
1C >: (' (9' 19D=CBC : :' C >' '
; :' 9(; ' 1C >: (' F .F : ('C : '(; :' 9(; ' 1C >: ('C B' (; :
; 9? ' ' ' B : C : ' ' ?<: @: ' F99B ' C B' = : E9 B' (; :' D9 V6 : ' (; C

?9?6 C(<9 '9;C F:C‹('9\C C@(: '=:<<<F'99D?9C:B'@=<:! E'9!' 2C <@C<. :C'
;L('C B' (> C ' C B' C ‹C ‹' ;:' ;C B 9D: ' (E :' 9!'
C(CC((;:' =9 :B' ;9A ' (;:' F :C(: ' A:C (;'
9!' (;:'< ;C=<(C ('C B'(;:' (‹C F6 C '
:@(<9 ' 9!' (;:' C(< :' (9A ' : @ 9 :B' =:(A:: ' (;:' BC CB:'
3 9 ' 9CB ' SC =<<B: ‹' 9CB' C B' ;:<>;' 1:D9 ' (::(' DCE' =:'
C‹B' (=' 9 (C< '(;:'F(;;(:!' ?C ('9!'(;:'
SC =CB: ‹' :CB ' C9: D C(9B' < ;:'9!' 9D=CE' ('<
;: :'(;C'(;:' :AC ::'(;:'D: 9=C ( )' M'!:C ('9!' C (: 'I' C'((;B'
?: < F'9!'C' :A'= < : ' E:C 'C!(:'(;:' C<;E' :C 9 '< ' D9 ('= < <[
C (E'@: := C(:B' ;:'?< C 'C B'V6C<(9 : ;C<<F< F' : C BC; ' 9!'
(;:' 9!(E'=96 :' :C '(;:'(!9(=CB: :: C >'B: : :'C((: (‹9 'C '!< :'
?:9<(?: '9!'(;:' A99B'@C < F'!9 'A;<@;'(;:' 2< B6 ' A: :' !CD96 '
;:'9 B: ';9B: ' ;9A: : 'C :'(;:'=: (' 9D:'9!'(;:' C(: ('::!!9 ('<'
(;<' \ :. 9>C= E' < '(;:' ;96 :'=6< ('9 ‹F< C E'!9 '(;:'= C @;'9!'(;:'
B' 9D=CE' C >'B A;<@;' <: '9 '(;:' ‹F;('C 'E9 ' :('! 9D' 19D=C"
B: ::' C >'B9A '(;:' SC =CB: ‹' 9CB' (9' (;:' S ?C CB: Z C :' C E[
(;< F'=6('==C (‹! <' 9 '<'(;: :'D6@;'(9'CBD<':C 9 '<'(;:' :A'(:D?:'
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C '9 :'A<(;' <((:'= C9>'C B' :B' <DCF: ' !'F9B ' D: 'C B' D > E '
;: :'C :' : C' :' : <B: @: '9!' 2< B99' D: @;C ('<' SC =CB: ‹'
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!C@‹ F'(;:' ?C CB ' (C B '(;:' 9=: ('19 :E' (‹(6(<9 ' ;<'
:=9B 'A;<@;'9@9 ?<: ' @;'C'?9D< : (' ‹(' KC 'B: ‹F :B'=E'(;:
@< : ('19 :E' (‹(6(<9 ' 'M‹H =: (9\9 '19 :E
9!'(;:' < <' :' <@: 'C'AC D'CB 9@C(:'9!'
(;:'B6@C(<9 '9!'(;:' C(< :'9 ' ;< (C '? < @<?: '(9'?: ?:(6C(:';<'
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6 B: '(;:' @9 (9' 9!' (;:' ;6 9;' 1< <9 C E' 9@<:(E' (' !< ('
6?: < (: B: ('AC '(;:' :'3' C : (< :'A;9'C < :B'< '(;9'@96 (E'
< '&O*O' 99 'C!(: AC B 'C'@9CB (9' AC' : (' 96(' < ' (;:' 2:
5' ' ' 9=: (9 ' '&O,O'(;:' C((: ' :(9:B'(:D?9 C < E'(9' F '
C B'C B'< '(;:'!9 9A< F'E:C '1 ' C : (< :'B<:B'9!'@;9 : C' ;:'
? : : ('=6< B< F 'A: :'< C6F6 C(:B'1C @;'&&(;'&O#O'C('A;<@;'BC(C'
(;:' < (‹(C(<9 ' AC' 6 B: ' (;:' 9< (' DC CF:D: (' 9!'(;:' : '
1: ' 9=: (9 ' C B' N 9 (' ;:'< (‹(C(<9 ';C' !< :' NC ‹C;'
@;9 C ;<? '9!'(;:' C :' 9!' ' #' D9 (;E' C B' (A9' 9A [
: B' 9;9 C =<?' 9!'(;:' D9 (;E' C 6:' 9!' ',' A;<@;'C :'
@9 !: :B'9 'B: : < F' C(< :' (6B: (
N 9D'(;:' 19 :E' @;99 'C 9(;:'F :C('9CB' :CB< F'(9'3< FC D'
C B' :C@;' C BE' C B' =:!9 :' (;:' 99 C(69(<9 ' 9!' (;:' `6::)'
:CB'9 '(;:' C@>' CE' !9 : ;9 :' (;:'9 E' 9CB' (9' 1C C=C ' 2<

?1 1 ' (= 9 <F;' (;:' NC ::' C B' 1C; ((C' V9C (: C'9i' (=:' C(< :' (9A H . =:' NC ::' < :' !9 ' (;:' D9 ('?C ('< ' <D D: ::' ;96C: ' < ' ;9=<:' C C9' A;<@;' C :' <>:' :F6 C ' ;9=<C' C C9' C==<(' AC : ' 9' DC E' !CD<<:C 5< < F"(9F:(;: '< ' :C@;'=96 :' ('AC '< ' ;9=<:' C C9'(;C('C' : <96 g' g' ' g' C!! CE' 9@@6 :B' B6 < F' (=:' <9(' 9! ;:' 9('9('N:= 6 1 E'&0%,' F ' ;:' 16 6 DC '=6 < F'F 96 B' <:'=:(A:: '(=:' C ::'=96 :'C B'(=:' `6::)'S 9CB'C B' C'(;:' @;<:!'!<:'(:D? :' < '< '(;:' 3< FC D' :CB'(=:' C :: '(99>'C C D' C('(;:'C?? 9C@;'9!'C' 6D: 96 '!6 : C'? 9@: <9 '! 9D'(;:':C (: ' '?C ('9!';:'(9A ' (9 : ' A: :' (; 9A ' C(' (;:' 16 6 DC ' A;9' :(C <C(:B'< '>< B'C B'(;: :' 6:B' D6@;'!<F;(< F' A<(;' (<@>' C B' 9D:' = 99B' :((< F' =:!9 :' 9 B: '@96 B'=:' : (9 :B' ;: :' A96 B' ;9A: : ';C :'=:: ' 9'B< (6 =C @:'C('C '<!'(;:'39 : D: (';CB'(C>: ' ? 9?: '? :@C6(<9 '(9' >::?' (;:' ?:C@:' \ !9 (6 C(: E' < ' ;<<?' K 9B:;96 :' :!(' (;:'?:9? :'(9'? 9(:@'(;:D : ' !9 F:((< F'(;C(' <!'(;:'?:9? :' 9!' B<C'@96 B'? 9(:@(' (;:D : :'! 9D' <9 : @:'C B' C?< :'(;:E' A96 B' 9('AC ('(;:' F < ;'(9'D :'(;:D ' ;< ' C!! CE' 6FF: (' C' ?9 <(<@C' :C 9 ' < ' CBB<(<9 ' (9' (;:'9= <96 ' C <(C E' ;:' 16 6 DC ' 6 E< F" :C 9 ' !9 ' :D9 < F'(;:' 16 6 DC ' F 96 B'C B' 2< B6' 6 < F ' =6 E< F'F 96 B' ! 9D' (;:' A< BAC B' F 96 B'9 ' C@>' CE' (;:' B: :E'?9?6 C(:B' C(< : (9A ' (9' 9D:' :D9(:' ?9(' ;:' 2< B6' =6 < F'F 96 B' (99' C 9 F <B:' <('< ' C' 6< C @:'(9'(;:' C(< :' (9A 'C B' (=:' 1 C < :' < : 'C@ 9 ' A;<@;'<('!CD: 'C :'= 9A '=E'(;:'A< B'(;96F;'=:< F' @9 @:C :B' =:;< B' C' ;<F;' AC ' <(' < ' 9(' 9!!: < :'< ' C E' ACE'(9' ?C : '=E'9 '(;:' `6::)'9CB'(9'A< BAC B'9!'<(' ;:' F < ;'9:D:" (: E'(9' (;:' 9 (;' 9!' (;:' 16 <DC ' @:D:(:E' ACF' @ 9 :B' 9D:' E:C 'CF9'FC B' 9' ; < (<C '=6 <C ' 9A'(C>:' ? C@:'C EA;: :'C(' (;:' 9 B'@:D:(: <: ':U@:?('6 B: ':U@:?(<9 C'@< @6D (C @: '=6('C(:A ::' C' B< (C @:'9!'!< :'D< :'! 9D'(;:' 9 (' ('A96 B';9A: : '=:'C' : <96 ' DC((:' (9' @9D?:' (=:' 1C;9DD:BC ' A;9' C :' 9=<F:B' =E' (;:< ' :<F<9 '(9'AC >'=C :!99(' @C E< F' (;:'@9 ? :'(9'C' !6 : C '(9'(C>:' (;:<'B:CB' D< :'CACE'! 9D'(;:' C(< :'(9A '!9 '=6 <C'F'C B'C' <D< C ' B<!!<@ (E':U< (' < '(;:' @C :'9!' (;:' 2< B6 ' (' :V6< :'B: <@C(:' C ' A: 'C '=9 B' DC CF:D: ('(9' :((:' 6@;'B<!!<@6 (<: 'F'C B' (=:' ? : : ('(C(:'9!'(;< F 'A< '? 9=C= E' 9('=:'C (:B'!9 'DC E'C' 9 F'BCE ;:' :<F<9 ' <9(' A;<@;'= 9>:'96(' 6BB: E'9 'N <BCE' 6F6 ('- ' ' :' ' &0P*' FC :' (C (< F' : <B: @:' (;C(⋖M .H F6((H ,' h ' 6 B: :C(;' (;:'@C D' 6 !C9B' :@(C <C ' C B' 9(;: ' ?C <9 ' :U< ('A;<@;' DCE' C(C E' D9D: ('=6 ('!9 (;'< ' ! E' 1C!C9D:BC 'C B' 2< B6 'A<(;96('C' D9D: () 'AC < F'FC :' : ('(9'?: ('6?' C <D9 <(<: 'A: :' 9 E';: B' <?'@;:@>'=E' (=:'6(D9 ('::!!9 ('9!'(=:'?9 <@:'C B' (;:' D< <(C E' N: ?

2< B6' (:D? : ' A: :' B:D9 <:=:B'C B'(!@:' :C9 :B' :D= D:' (; 9AC' 9C(' C B' BC:::(C(:B' '(A9' D9FV : ' A: :' B: (9E:B' '(; :' ;9 ?<(C)
A: :' !< :B' A<(;' A96 B:B ' (; :' ?9 <9:' (C(<9 ' C B' (; :' C< ' ; : B'
!<!(:: ' ;6 B :B' ? < 9 : '< C ' = <9:$O AC ' (< ?: B:B ' C B' (; :' @<(E'
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= (C E' C C (:B' (; :' 9@9 ?C (C' 9!' (; :' (CD$@C ' (9 :B' A ; : :'
(; :E' C(' ?9 (L9!!<@:' C C' C((C@>:B' D: : F: ' @C E< F' D9 :E'
C CF: E' C C6 (:B' C B' 9?: E' 9==:B' ; :' :U(' (A9' BCE '(; :' <9(: '
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(9 :' (; :' ?9 <9 : ' =6(' (9' B:!E' (; :' (99? ' A ; 9' A: :' @9D ?: .' 9 '
: : C ' 9@@C <9 '(9'!< :' 9 '(; :' 6 F< F' D9=
; :' B< (6 =C @: '= 9>:' 96('< '(; < ' A< :' "Z K ; : '(; :' 16C C DC H
99 F :FC(<9 ' :D: F:B' ! 9D' (; :' F :C(' 5 DC' 1 <B' 9 ' N <BCE'
C!(: 99 ' C' 9 ' 9!' M' < ' d 'Y' AC ' C< :B ' C B' 9D :' ; 6 B :B ' ? 9[
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C : ' A<(;' (; :' < (: (<9 ' 9!' B: :9 C(<?F' <(' =:' ?9 <=< <(E' 9!' 6@;'
C ' C((: ?(' =:<9F' DCB:' AC ' !9 : :: ' =E' (=:' ?9 <9: ' ' @9 <[
B: C= :' ?9 (<9 ' 9!' (; :' !9 @:' ;CB' =:: ' >:?('9 ' B6(E' 6?' (9' (; ::'
9)@ 9@>' 9 '(; C(' N <BCE' D9 < F' (9' F6C B' CFC< (' 9D :' 6@;' C((:D?('
B6 < F' (=:' <F; (' ; :' ? :@C6(<9 '(C>: 'C??C : (E' ?9 (?9 :B' (=:'
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KC 'C(' ;C B' (9' < (: ?9 :' =:(A:: ' (=:' 16 C DC 'C B' (=:' (:D? : '
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:<(; : '(; : '9 ' C(: '9 ' ; :' :CB: '9!' (; :' 16 C DC ' :U? C< ' (; :'
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C(< :' (C(:'9!'56 CFCB=' A ; : :'(:D? : ' A: :' B: (9E:B' C B' : : C'
2< B6 '>< :B' =E' @: (C< ' 16 C DC 'B6 < F' (=:' 19=9 < D ' ;< '
CF<(C(<9 'FC :' < :' (9' F :C('< <(C(<9 ' A ;<@;' AC ' !6 ((: ' < @ :C :B'
=E' (; :' F 9A< F' ?: < (: @:'9!' (; :' 2< B6 '< '6 F< F' (; C(' (; :'>< <9F'
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C B' : : F:(<@' 1 ' ' 2 ' < @: (' (; :' @(< F' 9DD< <9 : ' 9!'
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C= :' A<(; < ' C ' ; 96 ' 9 9 :' =9 (C B' C B' 9 9 : ' N9 :((' < '
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(; :' ?9(' !9 9A :B' =E' @9D ?C <: '9!' (; :' 9EC ' C 9C ; < :' :F<D: ('
6 B: ' 9 9 : ' E<:E ' ; :' 9 6 (: : ' (6 :B' 9 6 (d C 9' (; :

(< : E' (B: ' 1 C 9 ' @ F=(9 'C B' (=:' 9D=CE' <«F ; < 2 9 :'C B: ' <:9(: C (' 9! : ' C B' B<B' :Q9: <: (' :< <9:' =:< F' :<F; (:: ' ;9 C' < ' (; :' CBB : ' ; :' 39 : D: (' @: (' @9 <B: C= :' :< !9 @: D: (' 9!' 9?:C ' C B' 2C(< :' (99? ' ! 9D' 99 C' C B' B:(C9= C: (' 9!' C D:B' 1 9! <' ?9 <@:' : :' B C!(:B' < ' ! 9D' (=:' =C C' C B' 9(; : ' B< (<@(' ; : :' (=9 C B' 1 < <(C E' A<(;' (A9' F9 :' (99>' ?9 (' ! ' (; :' C(< :' (9A ' (; :' A ; 9 :' =:< F' B: ' (; :' 9 B: '9!' 3: : C' BF: ' ; :' 39 : D: (' C??9< (:B' :<F; (:: ' 9?:C ' @<(<Q: ' ?:@<C ' 1 CF< (C(: '(9' C < (' (; :' : <B: @E' 1 CF< (C(: ' 1 ' ' 99?: ' C B' 1 ' K ' K :== ' A ; 9' A: :' 9 ' B6(E' < ' (; :' (::(' <F; (' C B' BCE' 1 ' @A9 (=' 1 <@<?C(' 9D D< C<9 : ' C < (:B' =E' ' K :< ' 2 :C (;' ! @: ' DCB:' :(: 9 ' :!!9 (' (9' ? : : (' (=:' < !: ?(<9 ' 9!' (; :' C <(C E' : <@:' 9!' (; :' 9< E' C B' f' (; :' !99B' ?? E' (9' (; :' DC >:(' ; :' B: (6@(<9 ' 9!' ? 9?: (E' AC ' : E' @9 <B: C= : ' ' ;6 B :B' ?: 9 ' 9 (' (; :< ' < : 'C B' <U' 9 ' :<F; (' ;6 B :B' A: :' A96 B:B ' N<!(E' (=9 C B' ?: 9 ' D9 (E' A9D: ' C B' @; < B : ' :!(' (; :' @<(E' (9' (; :< ' 9 <F< C ' ; 9D: ' < ' (; :' @96 (E ' C B' C ' =6 < : ' AC ' 6 ?: B:B' !9 ' C' A: : >' 9 ' (: ' BCE ' A@ (C E' (; :' :!!9 (' 9!' (; :' C6(; 9 <(<: ' C<B:B' =E' (=:' :CB: ' 9!' =9(; ' :9D DC <(<: ' :!!: @(: B' C' :@9 @< <C(<9 ' =:(A : : ' (; :' :U@<(:B' =: <F: : (; :' F < ; ' @: D: (: E' C(' 9 C?9 : ' :!: :B' (9' C=9 : ' AC ' !< (' g' -' : g' 9?: :B' < ' (; :' E: C ' &%T* ' <9 ' (9 . .9 C?9 :' :D: (: E ' 6 : :) ' (; C(' BC(: ' (; :' ? < @<?C ' =6 <C 'F 96 B 9!' (; :' < C B' A ; : : ' C@@9 B< F' (9' C' B: ! 9(' 9@C ' DCFCQ< :' A: :' C<B(' C F: ' (; :' :C <: ' 39 : 9 ' :?6(E' 39 : 9 ' 96 @< 9 ' C B' F :C(' 9 : ' f 9D=CE' AC ' <(6C(:B' C(' 1 : BCD) ' 9< (' :C(' (; :' 9 B' ?9 9' 3C(: Z 9(' !C ' ! 9D' (; :' <(:' 9!' (; :' :A' C< 9)' 2 9D : ' ; :' 9 B: ' @: D: (: E ' A ; <@; ' C (=9 F ; ' C(' 9 :' (<D :' @9 (C< < F' C F :' (9D= ' C B' D9 6D: (' ; C " < @:' : (< : E' B< C??:C :B ' AC ' @9 <B: :B' =E' (; :' D< <(C E' C6(; 9 <(<: ' (9' < (: !: :' A<(;' (; :' B: !: @: ' 9!' (; :' < C B ' C B' AC ' < ' (; :' E: C ' &%T* ' @ 9 :B ' C B' (; :' (9D= ' C B' D9 D: (' A ; <@; ' <(' AC ' !: C :B ' D<F; (' C!!9 B' @9 : ' (9' C ' CB C @< F' C<DE ' B: (9E: B ' UC@(E' 9 :' ; 6 B :B' E: C ' C(: '< ' &OTO' C' =< ' AC ' < (9B6@: B' < (9' (; :' :F< C(< :' 96 @< ' 9!' 9D=CE' (9' :D ?9A : ' (; :' 39 : ' D: (' (9' @ 9 :' C ' =6 <C 'F 96 B ' A<(; < ' (; :' ? :@< @(' 9!' (; :' (9A ' C ' ? : 6B<@<C ' (9' (; :' ?6 <@' ; :C (; ' !' (; : :' (; :' F < ; ' @: D: (: E' C(' 9 C?9 :' AC ' (; :' ? < @<?C ' 6 < F' (; :' @: (6 E' (; C(' =CB' : C? :B' < @:' <(' AC ' !< (' 9?: :B' <(' AC ' @C @6 C(:B' (; C(' &P ***' =9B<: ' =CB' =: : ' < (: :B' < ' <(' C B' !9 ' AC (' 9!' 99D' 9 B' F C : ' A: :' @9 (C (E' =:< F' :'!« :B' (' AC ' 9(';9A: : ' (< ' &OT% (; C(' 9 C?9 :' @: D: (: E' AC ' @ 9 :B ' C B' (; C(' C(' :A : :' 9 ' (; :' <(:' 9!' (; :' 9 B' 9(C <@C ' 3C B: ' 9?: :B ' < ; 9?' 2 C B< F) ' C (' 9!!<@<C ' C@(' C ' B<9@: C ' =:< F' (9

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W' C B' AC '9 <F< C E'B:?: B: (' 9 ' 9@C' 99 (<= (<9 ' (' AC ' !@: AC B ' < ' &O#' :@9F < :B'=E' (; :' 3 ; 9 ;'9!' @9(C B 'C B' < @:' ,*' <(' ; C ' =::' DC< (C< :B' =E' (; :' i :' ;6 @ ;' 9!' @9(C B ' ;C 'C' @9 :F:' B< < <9 ' C!!< <C(:B' < @:' &OT& (9' (; :' 9@C ' < : <(E ' B' < ' : B9A :B' A<(;' : : C ' @ ;9 C ;<?

D 9 F' (; :' =6< B< F ' C 9 F' (; :' :C' NC@:' C(' ;9A?C((E ' (; :' K< 9 ' - ' ' g' 1 :D 9 <C ' 9 ;F:' DCE' =:' :FC B:B' C :E! \ 9 '1 :D9 <C ' 9 \ :F:' !< : (' C B' (; :' D9 (' ?<@(6 : V6: ; :' =6< B< F ' A ;< :' @9D D :D 9 C(< F' (; :' CD :' 9!' C' D< <9 C E' A ;9' C ' ; : B' < ' F :C(' : ?:@(' =E' F < ; D : ' C B' C(< : ' C <>: ' A< ' !9 B' C' (C F<=<:' ? 99!' 9!' (; :' ? 9F : ' A ;<@;' (; :' A9 >' 9!' (; :' "9(9 ;' 1< <9 ' ;C ' DCB:' < ' (;< ' @<(E' < @:' (; :' C < C ' < ' B<C' (; :< ' :D< C E' < ' (; :' E:C ' &OWP' (' AC ' !<!(E' : : ' E:C ' CF9' <: ' ' K< 9 ' (C (:B' C' @ ;99 ' < ' C' ;6D= :' :B<!<@:' < ' (; :' 9 (' C B' DCB:' C' ;6D= :' @9D D : @:D : (' 9!' ;< ' A9 >' A ;<@;' CB C E' 6 B: A: (' ' DC : 96 ' :U?C <9 ' 2 :' 9C(:' 9 (' 9 <" C E' < '@9 :@(<9 ' A<(;' (; :' 9 ((< ;' 1< <9 C E' 9@<:(E' A ;<@;' C ' (C !: :B' C' ! :A' E:C ' C!(: AC B ' (9' (; :' ;6 @ ;' 9!' @9(" B ' ' K< 9 'C B' C ' ;< ' @9 :CF6: ' C (' < ' (; :< ' 9(' A<(;' (; :' : ' ; 9 ; 'C B' < ' B9< F' 9' (; :E' < ' @9D D9 ' A<(;' (; :' :(' 9!' ' :@: <9 < (' ;CB' (9' =:C ' (; :< ' ;C :' 9!' :<! C9 <!<9 :' ; :' 9 B' B' 9D :A ;C(<D?9 < F' 99>< F' =6< B< F' < ' SC =CB: <' > 9A 'C ' 3 : : C ' :D= E) ' (<(6(:' =CB ' A ; : ' (; :' B< 6?(<9 ' (99>' C@:' =:: ' 6 (' @9D? :(:B' (; 96F ;' (; :' :U: (<9 '9!' ' K< 9 ' <(' < ' @9 :V6: @:' ?!' (; :' B< 9 @:' 9!' (; :' 9(: (C (' ! 9D' (; :' C= < ; :B' ;6 @ ; ' <(' ACF' B:@ C :B' =E' CA' (9' =:' C' ? 9?: (E' =: 9 F" F' (9' (; :' ;6 @ ; ' ; :' D< <9 C E' AC ' (;6 ' :!(' !9 ' : C ' E:C ' :' (<(=96(' C' ;96 :' 9!' ;< ' 9A ' (;96F ;' =:' @C <:B' 9 ' A<(;' C=C(:B' <F96 ' ;< ' ? :C@ ;< F' C B' (:C@ ;< F' CD9 F' (; :' C(< : ' 9' A: :' (; : ' (' =:F< < F' (9' :@:< :' F < ;' :B6@C(<9 ' ; :' <(<((:' =:@CD :' < ' @96 :' 9!' (<D:' D9 :' C ' :B6@C(<9 C ' (;C ' C' : : E(<Q< F' CF: @E ' ' (; :' :C E' BCE' 9!' ;< ' @C : : ' ' K< 9 ' 9(:B' D6@ ;' 9!' ;< ' 0:C ' C B' : : FE' (9' DC>< F' @9 : (' (9' =(< (<" (E ' C(' A ; : ' =:' !96 B' ! 9D' :U?: <: @:' A ;C(' ;6F:' @9 : C(< : ' : ' ;' =CB' (9' @9 (: B' CFC< (' ;' DCB:' (; :' < (<(6(:' C ' :B 9C" C ' < (<((<9 ' =: <: < F' 9 :' D<F ;(' 6??9 :' (;C(' : @6< F' < : ' ! 9D' (; :< ' F 9 ' 6?: (<(<9 ' C B' C@V6C< (< F' (; :D' A<(;' < ;' <(: C(6 :' A ;<@;' < ' ?: D :C(:B' A<(;' ; < (<C ' :(;<@ ' AC ')' (!C:' =C((:' A9 ' :<F<9 ' > 9A :BF:' @9 (< 6:B' (; ' C ' ' (9' =:' <D ?C (:B' !9 ' C ' =9 '9 ' 9' : : E' BCE' 6(' (; :' ? < @<" ?9 (<9 '9!' (; :' (<D :' AC ' F< : ' (9' :@6 C ' :B6@C(<9 ' (;96F ;' C ' D 6@ ;' ? :@(:B' C B' =: 9 :B' =E' C ' @ C : ' 9!' (; :' @9D D6 <(E '] :' A : :' @ ;C E' 9!' : B< F' (; :< ' @ ;< B : ' (9' (; :' D< <9 ' @ ;99 ' ^(' (; :E' ;9 <B' =:' A :C :B' 9D : ; 9A ' ! 9D' (; :' !C<(;' 9!' (; :<

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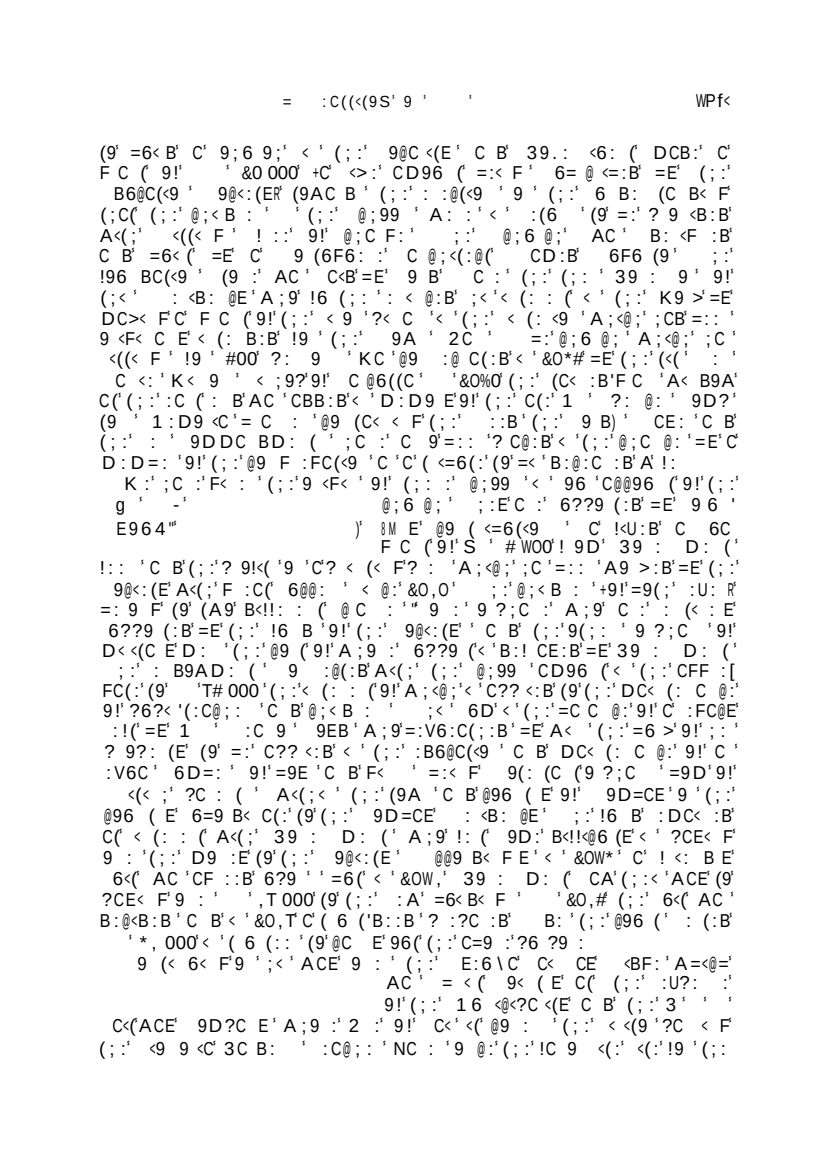

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; : :'C :' (A : (E' (A9' CV :B 9(C' CFF :FC(< F' <<(E' : : ' ?C :' 9!' (: ' !: : (' (A : (E'!< :' CFF :FC(< F' :<F; (E' ?C ' 9!' (A : (E'!: : (' C B' (A9' CFF :FC(< F' (; < (: : ' ?C ' 9!' (; < (E' !: : (' ' CBB<(<9 ' (9' (; < ' @9 9 C ' A9 >' (; : :'C :' 9 :' ; 6 B :B' @6 : (' C 9 F' (; :' E?; 9 ' (C@>' (9' ? 9 <B :' !9 ' (; : ' B C< CF :' 9!' (; : ' @96 (E

; :' C C' K C(: ' K 9 > ' A : :' 9?: :B' =E' 9 B' C B9A :' (; :' (; : ' <@: 9E ' 9 ' (' 1 C @; ' &OPW' ' ?9(' AC ' @; 9 : '!9 ' (; :' @: :D9 E' C(' (; :' C @(<9 ' 9!' (; :' : < :'C B' (= ' S9CB ' ; < 9; ?99F < ' C B' C' C F :' 99 996 :' 9!' ?: 9? :' C :D= :B' (9' K <(: ' <(' ; :' F<9 B ; ' K : :' DCB :' (9' : :D= :' C' = :C (<! 'FC B: '9 ' C' !: (:' BCE' ; :' C C F :' ' D : (' A : :' ?: !: @(' C B' (; :' ? 9F CD D :' AC ' F9 :' (; 9CF ; ' A<(; 96' < (; :' <F; (: (' ; <(@; ' ; :' 1 <9<?C ' 9D D< <9 : '9?: :B' (; :' ? 9@: :B' 9F ' =E' B : < : < F' C ' CBB : ' < ' A ; <@; ' ; :' = <:! E' C C(: B' (; :' ; < (9 E' 9!' (; :' C C' @; : D : ' 2 < ' U@: : @E' (; :' <@: 9E ' ; C < F' C@@: ?(: ' (; : ' CBB : ' AC ' C >: B' =E' (; :' : <B: (' 9!' (; :' 9 ?9 C(<9 ' (9' B: @ C :' (; :' A9 > ' 9?: ' ' < : ' : : ' AC ' !<U: B' < (9' (; :' ? C >' A ; : : ' <(' ! 9 (' 9!' (; :' <@: 9E) ' (C= : ' C B' 2 < ' U@: : @E' F< < F' <(' C (6 ' (; L' K C(: ' ?9 (: B' ?6 (' < ' C' @ : C ' : (' (9' C' ; : <F ; (' ! C=9 (' *0' ! : : (' ! 9D' (<' @: (: ' 9!' (; :' =C <6' 9!' (=: ' !96 (C< ' < ' (; :' D<BB :' 9!' (; :' F 96 B ! 9D' (; :' <BF:' (=: ' ; < ' : 9?: ' B9A ' A : (AC B ' (9' (=: ' :C ' C @' (; :' A ; 9 :' B: @ < <(E' < ' @9 : B' A<(; ' =99 : ' (; <@> E' : (' C D 9 F' (: : ' 1 C C=C ' 2 < ' ; C ! ' C' @: (6 E' CF9 ' ; CB' 9 E' (A 9' =6 FC 9A ' =6< < ' (9< J ?9 ' <(Z (; :' (+ ' C B' (; :' ! 1 C C=C ' 2 6 ; ' C F :' ? 9?9 ' (<9 ' 9!' (; L 9@<: (E' ?9?6 C(<9 ' 9!' 9 D=CE' < : ' ; : :' ' 9 DC ' 1 C9 : 9@' ?? 9? <C(: E' B : @ <=: B' D9 ('9!' (; :' =6 FC 9A ' C ' M' =: : =< @ Y ' CBB< ' (; C(' (; : E' C :' : E' @9D !9 (C= :' < <B: ' ; :' 9 B' !C ; <9 : B' =6 FC 9 ' 6 6C E' =6(' 9 :' (9 : E' ; <F; ' A<(; ' ?C@<96 ' 99D ' (; <@>' AC ' C @ = 9CB' : C BC; ' C B' 6 96 B : B' =E' C' C F :' FC B: ' = <F; (' <(' ! 9A : ' ! 6<(' (: : ' C B' F : : ' (6 !' < ' < B : : B' C' ? C@: ' 9!' : <B: 9< B: <F; (!6 E' 6<(: B' (9' (; :' : : B ' 9!' (; :' @ <D C(:' 9!' 9D=CE ' < ' A ; <9 ' <(' < ' B: < C= :' (9' ; 6 (' 96 (' (; :' ; : C(' 9!' (; :' 6 ' A ; < :' CBD<((< F' (; :' @99 ' :C ' ; : Q: ' A ; <@; ' = 9A ' < ' (C<F; (' ! 9D' (; :' B<C @: C ' 1 C E' 9!' (=: ' : A' ; 96 : ' ; 9A : ' ; C :' =: : ' =6< (' ; C (< E' A<(/' <((:' :FC B' (9' ; : C (; ' 9 ' @9 D !9 (' C B' (; :' ; < ' < ' 9A' (99' D6@(' =6< (' 9 : ' C B' (99' (; <@> E' ?9?6 C(: B' (9' =: ' 9' ? : C C (' C' : 9 (' C ' < 6 :B' (9' =: ' : C ' (: : ?' 9CB ' : CB' ! 9D' (; :' <BF:' B9A ' (9' (; L 9A : ' 9CB' A ; <@; ' !9 9A ' (; :' < :' 9!' (; :' @9C (' (' < ' C' ? : C C (' B < :' B9A ' (=: ' A : (' <B: '9!' (; :' ; < ' C B' C 9 F' :C@; ' 3C6BE' =E' 1 C ; C 6UD : ' A ; : ' (; : ' :C@; ' C 6E' F' : (' 9!' D6@; '! : V6 : (: B' < B (: D ? : ' C B' C' (C@>' C D 9 (' C ' ; 9 E' C ' (; C(' 9!' K C >: 2 AC ' . : A' < (<(6(<9 ' 9 ' :C@; ' C BE' < ' (; :' C (' AC(: ' A<D D< F' =C(<' <6< (' !9 ' (; : ' 6 :' 9!' 6 9?: C ' C(' C' @9 (' 9!' VA&CCC&' ' : E

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2 \' 1 ' 1 ` \ ' H@ ' ' 1

D9 F' A : '> 9A ' 2 < B6' (: D ? : '< ' 9D=CE' DCE' =:' D : (<9 :B' (;9 :' 9!' KC<>: AC ' 1C=C C> ;D<' <6B ' :D? : C= C(;' 1CD=CB: <.' C B' <: =$' AC ' U@:?(< F' C' !:A ' (;:' F :C(' 'DC 9 <(E' 9!' (;: :' (:D? : ' C :' 9!' :@: (' BC(: ' ;9 :' 99>:B' ?9 ' C ' @9D?C C(< : E' (;:' 9 B: (' 2< B6' (:D? : ' < ' 9D=CE' C :' KC >: ;AC ' 1C;C C>:;D<' 1CD=CB: <' C= C(;' CFB: <' C B' ; < E: >C(: ;' ;:' :U< (:9@:' 9!' (;: :' ; < : ' DCE' =:' (C@:B' ? <9 ' (9' ' C=96(' (;:.' ?: <9B' 9!' (;:' :((:D: (' 9!' (;:' !< (' D: 9 ' :@(<9 ' 9!' (;:' 2< B6' ?9?6 C(<9 '< ' 9D=CE' :C E' (A9' ;6 B :B ' E:C ' CF9 ' (< (;C(' ?: <9B' (;:' DC ' 6D=: '9!' 2< B6' (:D? : ' ((!< 9:B (9' F C(<!E.' (;:' :<F<9 ' AC ('9!' (;:' 2< B ' ? 9@: '9!' (<D :' (;:' < B6!' ?9?6 C(<9 '< @ :C :B ' C B' :((:B' < ' B<!!: : (' V6C (: '9!' (;:' (9A ' ;:' (C !: '9!' (;:' :C(' 9!' 39 : D: (' ! 9D' 6 C(' (9' 9D=CE' !9 9A :B' =E' (;:' F :C(' 9' C(' !< :' 9!' &O*%' B 9 :' DC E' B: (<(6(:' C B' ;: ? : ' 2<9B6 ' ;: :' (9' ::>' D:C ' 9!' :D? 9E D: (' A ;<:' 9(' C' !:A' A: :' C((C@(:B' =E' (;:' < @ :C < F' (CB:' C B' (;.' !<: B' !9 ' :D? 9ED: (' 9!' @C?<(C ' A ;<@;' <(' C!!9 B:B' ;:' :Q(< @(<9< ' 9!' (;:' ?9A : '9!' (;:' :< =AC ' ;: ?:B' (9' A: ' (;:' 9 D=: '9!' < B ' :D<F C (' ! 9D' 99 C' C((C C' C B'9(;: ' ?C (' 9!' (;:' :@@C '< < (;:'< C B' C(@;' 1C AC ' C B'9(;: ' C(< :' (C(: '9!' 3 C C(' C X (;:' :@@C ' : (' (;:<' V69(C' 9!' (;:' 2< B6' ?9?6 C(<9 ' (9' A: ' (=' C > '9!' (;:' B<!!: : (' (CB< F'< B6 (<C ' C B' C=96 < F' 9 C : ;:<' ;:' :<F<96 '< (< @(' 9!' (;:' D9 (' A :C (;E' 9!' (;: :' :((: ' (99>' ? C@(<@C ' ;C?:'< ' (;:' 99 (9(<9 ' C B' DC< (: C 9:'9!' (:D? : ' BB< 3C(:B' (9' (;:' ?C (<@6 C ' B:<(<: ' A9 ;<??:B' =E' (;:D ' ;:'9 (;9B' 2< B6' 9!' (;:' ? : : (' BCE' < 'C ;: <: : < ' ?C (;:< D ' ;< '9C :(' : :D: (C ' A9 ;<?' 9!' (;:' :BC ' ;C F< : '? C@:' (9' (;:' <9' =: (') < ' < 9C C(<96 '9!' (;:' B:<(E ' C B' 9!' F9B ' C B' F9BB: : ' C ' ED=9 ' ?C (<@6 C ' ?9A : ' ;:' A :C (;E' C B' (;:' A : '(9' B9' CD9 ;F :C@;' :9(<' J' 9!' (;:' 2< B6' @9D D6 <(E' C@@9 B< F E' 96F;(' (9' ? 9D9(:' (;:< ' :?<< (6C ' A : !C :' C B' D : :(' (;:< ' : <F<9 ' AC (' =E' B :B<@C(< F' (:D? : ' ' C ?C (<@6 C ' B:<(<: ' A ;9 :' A9 ;<?' ;C ' B: @: B:B' (9' (;:D' (C< ' (;:< ' !9 : '!C(;: ' ;:' < ; C ' =C(<C ' C B' C <C ' A ;9' !9 D' C ' <D?9 (C (' C B' (;:' A :C (;<: (' :@(<9 ' 9!' (;:' ? : : (' 2< B6' (CB: ' 9!' 9D=CE' !9 ' < (C @:' 6 B: (99>' C=96(' :<F ; (E' E:C ' CF9 ' (9' B:! CE' (;:' @9 (' 9!' =6< B< F' C B' DC< (C< < F' B: ' (;:' B< : :(<9 ' 9!' (^ C C=;C9 ;C EC ' 1C ;C C C' (;:' !< (' C C==C@=C EC ' (:D? :' > 9A (' C ' (;:' F :C(' 1C B<' 9 ' 5:: C <) ' 1C B< ' ;:E' 9 6 (C < E' <D?9 :B' ?9 ' (;:D : : 'C' 9; 9;' C(:' @C :B' M' FC Y' @C 9 C(:B' C(' ' ?: @: (CF:' 9 ' (;:' CD96 (' 9!' @C ;' (C C@(<9 ' : : E' E:C ' : (: :L!^

<C(9' =E' (; : D' < ' 9 :@(<9 ' A<(; ' (; :< ' ?C (<@6 C ' (CB: 'C B' @C < F ' ; :' : :@(<9 '9+' ((<:' !< (' C C=; C@ ; C EC ' (: D? :' AC ' !9 9A :B' =E' (; C(' 9!' D C E' 9(; : ' (9' =:' !96 B' C((; :' ? : : (' BCE ' <>:' DC : ' < B C' ! 9D' 1C?AC ' ; C :' =6< (' (: D? : ' B: B<@C(: B' (9' C C < C B' 5CFC C(= ' ; :' ACD< C CE: C' :@(' ; C :' C' ? C@: ' 9!' ?6= <@' A9 ; <?' < ' (; :' (: D? :' 9!' ACD< 2 C CE: '< ' ; 9<ACBC' (; :' B< @<? : ' 9!' 36 6' 39 < B' 9 ' C C!:' NC (; < ' (; :' SC=< ' C9(; ' (; :' CB; C' C C=; < ' (; :' CDC 6 C ' (; :' C<C(; C' CDC < (' ; C :' :C@; ' ? 9 <B: B' !9 ' (; : D' ?<C9: '9!' A9 ; <?' A ; : :' ? C B' A9 ; <?' C :' @9 B6@(: B' C@@9 B< F' (9' (; :' ?C (<@6 C ' B9@(< : ' 9!' (; : < ' :@(' K :' ; C ' 9A' ? 9@: :B' (9' F< :' C' = <: I' C@@96 (' 9!' C' !: A' 9!' (; :' D9 (' <D?9 (C (' 9!' (; :' 2< B6' (: D? : '< ' 9D=CE ' ; :' ; < ' E< F' (9' (; :' 96(; ' A: (' 9!' 9D=CE' < ' @C :B' M' KC >: ; '' < ' (' ' ' K C Y' =E' C(< ; ' C B' 1 C C=C ' 2 < Y ; :' KC >: ; AC ' : D? : ' E' 6 9?: C 6(' K C >: ; AC ' < C 9' (; :' CD :' 9!' (; :' (: D? : ' B: : B ' (; :' =< ' (C>: ' <(' C(< :' CD :' ! 9D' (; < ' (: D? : ' A ; <@; ' < ' <(6C(: B' < ' @ 9 :' ? 9U<D<(E' (9' (; :' :U(: D :' ?9< (' 9!' <(' @C :B' (; :' C B< 9 ' 1 C C=C ' 9< (' C' : <B: @:' 9!' (; :' 39 : 9 ' 9!' 9D=CE ' (' < ' (C(: B' (; C(' (; < ' @ : !(' 9!' (; :' ; \ ' AC ' C(' 9 :' (<D :' V6<(:' :?C C(: B' ! 9D' (; :' < C B ' ; :' =< ' AC ' C(' 9 :' (<D :' C D9 (' C' =C : ' ? C@: ' 9(; < F' :U@: ?(' F C ' F :A' 6?9 ' <(' @@9 B< F E' <(' AC ' :B' C ' ?C (6 CF:' !9 ' (; :' F CQ< F' 9!' @C((: ' N9 ' (; < ' ?6 ?9 :' <(' AC ' !C D :B' !9 ' C' DC ' CC C ' !: : ' ' &%WO' (; :' A ; 9 :' 9!' (; :' ; < ' AC ' :(' !9 ' ' &OO' C' E: C ' A ; <@; ' AC ' 6= :V6: (E' C< :B' (9' ' OOO' C ((C E' ; :' (: D? :' 9!' K C >: ; AC ' < ' :FC B: B' C ' 9 :' 9!' (; :' 9 B: (' 9 ' (; :' < C B' ' C @ <(' :F: B' < ' DE' ?9 : <9)' CE ' 1 ' ' a ' 16 ?; E' : (<(: B' M' K C >: ; AC ' 1 C; C(DEC Y' A ; <@; ' @9 (C< ' 9D: C@@96 (' 9!' (; :' (: D? : ' 9 ' 1 C C=C ' 9< (' C B' (; :' 9 B' 1 CD=CB: < ' (: D? : ' B: @ <=: ' (; :' 2< B ' < ; C=<(C < ' 9!' 9D=CE' C ' 6!!: < F' < ' (; :< ' : <F<9 ' ! 9D' (; :' (E C E' 9!' 19D=C <>' ' ; 9 (E' =: !9 :' (; :' D. :@(<9 ' 9!' (; C(' (: D? : ' C' @< @6D (C @:' 9@@6 :B' A ; <@; ' ; 9A ' (; C(9D: (; < F' <>:' 6?: <9 ' F CB:' 9!' 2< B6' 9@<: (E' :U< (: B' C(' (; C(?: <9B' 9 ' (; :' < C B' ' !9 ' D: :' @99 <: ' @96 B' @C @: E' ; C :' :V6< :B' 6@; ' C' (: D? :' 9 ' ; C :' = : : ' : E' : <= :' (9' : <F<9 ' ?: :96(<9 ' ; :' :!: : @:' (9' (; :' D?: 9 ' 19D=C <>' ' @C <: ' 6 ' =C@>' (9' (; :' !96 (: : (; ' @: (6 E' ; :' (: D' Y' K C >: ; AC ' Y' < ' C' @9D ?96 B' 9!' (A9' A9 B Z A9<6>C ' A ; <@; ' D: C ' C B' C B') (' 39B' " 9 ' (; :' F9B' +D CB: R' 9!' C B ' ; :' (CB<(<9 ' C=96(' (; :' F9B' < ' (; < ' "Z K ; < :' CD ' AC ' 9 ' ; < ' :U? : B<(<9 ' ! 9D' E9B; EC' A<(; ' C> !CDC C' ; < ' = 9(; : ' (9' 6=B6 :' C C C' (; :' 6 : ' 9!' C >C ' ; :' ; C (9B' 9 ' (; :' ?9< (' 9!' (; :' ; < ' 9A' !9 D< F' (; :' <(:' 9!' (; :' K C >: ; AC ' : D? : ' DC' ; CB' (C>: ' C' 9A' (9' A9 ; <?' : : E' BCE' (; :' < F' 9!' ; < C' ; < ' AC ' = 96F ; (' (9' ; <D' + #' BCE' ! 9D' : ?C : ' 2#' C> ; DC

:' BCE' C " = <CC' AC ' C<: ' 9' CDC' AC ' 9= <F:B' (9' DC<<(<H !C@(C :' 9 :' 2 :' DCB:' 9 :' ! 9D' (; :' C B' 9 ' (; :' ?9(' ; :' < F ' (; 6 ' DCB:' ! 9D' C B ' AC ' @C :B' K C 6>: ; AC ' 9 ' K C " >: ; AC ' K ; C(: : ' (; :' BC(:' 9!' (; :' 9 B' (: D? : ' (; < ' DC9; ' < ' @: (C< ' (; C((; :' ? : : (' (: D? :' 9!' K C >: ; AC ' AC ' =6< (' =E' CDC < SCD6 (' C=96(' &%O' E: C 'CF9 ' CDC < CD (' AC ' C' (; :' < =E' @C (: ' 2 :' AC ' < ' (; :' : <@:' 9!' (; :' <(< ;' 39 : D: ('C B' : D? 9E:B' C ' ; : CB' 9!' (; :' C(< :' (99? ' 2 :' B<:B' < ' &%WO' ; :' ; : < ' C :' CD9 F' (; :' :C <: (' : D<F C ('! 9D' 39C' < (9' 9D=CE ' C :< ' C B' C :((: ' ('9 :' (<D :' (; :E' A: :' A: '> 9A ' ?C (E' C ' D: @; C (' C B' ?C (E' C ' C ' < B6:6(<C ' @ C ' < ' (; :' : <@:' 9!' 39 : D: (' ; :E' = < (' (; :' (: D? : ' 9!' K C >: ; AC ' ; : ; AC ' ; C>6 BAC ' < ' 1C; (D ' C B' (; :' (: D? :' 9!' ; < E: >C(: ;' < ' (; :' N9 (' ; : :' < ' <((:' (9' : DC >' < ' (; :' C @; <(: @(6 :' 9 ' (; :' (: D? : ' (' < ' 9!' (; :' 9 B< C E' 2< B6' (E? : ' ; :' < <B: 9!' (; :' (: D? : ' A ; : :' (; :' < F' < ' ? C@:B ' < ' =: 9A' (; :' : ' 9!' (; :' 6 96 B< F' F 96 B ' C B' < ' :C@; :B' =E' (: ? ' =6< (' !9 ' (; :' ?6 ?9 : ' 96 B' (; :' (: D? :' C B' <(C(:B' C(' 9DC' B< (C 9C' ! 9D' <(' C :' 9D :' (A : (E' (: D? : ' C F: ' C B' DC ' C ' (C B< F' 9 ' C' DC ' 9?: ' ?9(' 9!' F 96 B' C=96(' W0O' ! : : (' ! 9D' (; :' C6B<' 9 ' 1C C=C ' 9< (' 9(' !C ' ! 9D' (= : D' =6(' 96(<B:' (; : < ' <D<(' < ' C' ?9(' : : :B' C ' C' 2< B6' =6 <C ' C B' =6 < F' F 96 B ' A ; : :' C EC < ' C@B' 9(; : ' =:$' 9 F< F' (9' (; :' 2< B6' : <F<96 ' 9 B: ' C ' A: ' C ' @; < B : ' 9!' (: B: ' CF: ' C :' =6 <:B ' A ; < :' ?: 9 ' 9@@6?E< F' C' ; <F ; ' 9@<C ' ?9 <(<9 ' C :' =6 (' B C@: (' (9' (; :' B<!!: : (' (: D? : ' C :' 2< B6' @; C <(C= :' ; 96 : ' @C :B' B ; C DC ; C C ' < (: ?: :B' A<(;' (; :' ; 96 : ' 9!' C ; DC ' A ; 9' C :' <B: (' 9!' (; :' ? C@: ' ; : :' B ; C DC ; C C ' C :' 9A :B' =E' A :C (; E' 2< B6 ' ; :E' C :' 9(' (<@(E' @ ; C <(C= :' ; 96 : ' < ' (; :' : :' < ' A ; <@; ' B ; C DC ; C C ' F: : C E' C : ' (; C(' < ' (9' CE ' C@@: <= :' (9' : E' C B' C E' 2< B6' A ; 9' @ ; 99 : ' (9' : <B: (; : :' 9 ' E' 9 :' A ; 9' B: < : ' (; :' 6 :' 9!' C' B ; C DC ; C C' ; C ' (9' 9=(C< ' (; :' ?: D< <9 ' 9!' <(' 9A : ' A ; 9' F C (' <(' !9 ' C' <D<(:B' ?: <9B ' ; :E' C :' D9 :' ? 9?: E' ; 96 : ' =6< (' !9 ' (; 9 :' A ; 9' B: < :' (9' : <B:' (; : :' (: D?9 C < E ' : :>< F' ; :C (; ' 9 ' ? :C 6 : ' 9' : (' < ' @ ; C F:B' (9' (; :' 9@@6?C (' 9!' C' B ; C DC ; C C ' ; : :' B ; C DC ; C C ' C :' D9 (E' !6 E' 9@@6?<:B' B6 < F' (; :' ; 9(' :C 9 ' =E' (; 9 :' ::>< F' : <:!' ! 9D' (; :' (: D?: C(6 :' < ' (; :' (9A ' ; :' (: D? : ' C B' B ; C DC ; C C ' :C E' !9 D' C ' 9 C ' ' (; :' @: (C ' ?C (' C' @9 <B: C= :' ?9 (<9 ' 9!' (; :' ?C@:' < ' (C>: ' 6?' =E' C' (C >' @C :B' C ' 3C FC' (; :' AC(: ' 9!' A ; <@; ' < ' 6 :B' =E' (; :' ?: 9? :' (; : :C=96(' ; < ' (C >' AC ' =6< (' ! 9D' !6 B ' C< :B' =E' 6= @ <?(<9 ' 1C E' E :C ' CF9' (; :' (CF C (' AC(: ' < ' (; :' (C >' AC ' @ :C :B' 96(' C B' :? C@:B' =E' ! : ; ' AC(: ' =E' D :C ' 9!' N : ; C ' ?<?: ' C<B' < (9' <(' ' !C< ' 9 ' C(C' < ' ; : B' C 6C E' ' K C >: ; AC ' *' (; :' 1C ; C C> ; D<' : D? : '

.

1C;C C> ;D<' < ' o<(CC(:B' (9' (;:' A: (' I' 9D=CE ' C=9 (' !:C ' D< : ' p' ' ! 9D' (;:' N9 (' ;:' (:D? :' 9!' 1C=CH (9:' 1C;C C> =D<' :D? :' C>C; D<' < ' =C< (' 9 ' A ;C(' !9 D: E' AC ' C' ;< ' =6(' A ;C(' 9A' 99> ' <>:' C' C< :B' D9 B' 9 B' <(' C :' C' 6D=: ' 9!' B ;C DC ;C C ' A ;< : !(';C B' <B: ' C:' E9 ' ? 9H : :B' < ' (;:' B< :@(<9 ' 9!' (;:' (:D? : ' (;: :' < ' (;:' A: '=6< (' (:D? :' 6(' 6?' =E' (;:' C(:' ;:> <' CBC' C B' > 9A ' C ' ;C> <) ' :D? : ' ' (;:' 9 (;' 9!' (;:' 1C;C C> =D<' :D? :'(;: :'< ' C' F 9 ?9!' (:D? : ' :B<@C(:B' (9' ;< C' C B' C 9;9 :<<' A<(;' C' DC ' = (' =:C (<!6 E' + ID (D9 :B' (C >'J< ' (;:' D<BB :' 9!' (;:' : @9 6 : ' N 9D' C' 6 (!@6H 9 ' ;< (9 <@C ' @;' 9 <@ :'< ' (;:' ?9 : <9 ' 9!' C' C=; ' <(' ::D ' (9' =:' C ' 6 B96=(:B' !C@(' (;C(' (;:' (:D? :' 9!' 1C;C C> ;D<' AC ' = < (<!(: ' (;:' @C6 :ACE' @9 :@(< F' K C < A<(;' 9D=CE' AC ' ? (' 6?' ;:' A9 >' 9!' 99 69(< F' (;:' @C6 :ACE' AC ' ?: < H (: B:B' =E' C'' N(C=;6' DC< (E' < ' (;:' : <@:' 9!' (;:' <(< ;' 39 : D: (' ;:' A9 > ' (A<@:' FC :' ACE' A;: ' <(' < ' C<B' (;:' F9BB: ' 1C=C C> ;D<' C??:C :B' < ' C' B :CD' =:!9 :' (;:' N C=;C' DC< (E' C@B' < !9 D:B' ;<D' (;C(' ' ;C' (99>' ;: ' <DCF:' E< F' < ' (;:' @;C :' (9' C' ? C@:' 9 ' (;:' ;< ' C B' =6< (' C' (:D? :' < ' ;: ' ;9 96 ' (;:' @C6 :ACE' A96 B' (C B' ;:' : (' D9 < F' (;:' DC< (E' DCB:' C' :C @;' !9 ' (;:' <DCF:' !9 B' <(' < ' (;:' @;C : ' C B' =6< (' C' DC ' (:D? :' ?9 ' (;:' ;< ' (;:' 39 : DC (' 9!' (;:' BCE' DC>< F' C' ! ::' F C (' 9!' (;:' <(:' ;:' DC< (E' :!: :B' (9' ;: :' AC ' C<B' (9' =:' (;:' F :C(' F C B!C(;: ' 9!' 1 ' C B C9' ;C >C ' C(:' ;:CB' @ :>' < ' (;:' DC ' C6 : ' 39 (' 9D=CE' <B:' (;:' 1C=C C> ;D< :D? :' C ' :(;:' <DCF: ' 9!' 1C=C C> ;D<' 1C;C>C <' C B' 1C;C' C C H AC(<' ;:' A9 ;<?' 9!' (;: :' F9BB: :' < ' @9 B6@(:B' =E' ;9?< ' A ;9' C :' 1C;C C(C ' =E' 9C (:' C B' @ C<D' (9' =:' B: @: B:B' ! 9D' (;:' C=9 <F< C ' @ C :' A ;9' < ;C=<(:B' 9D=CE' ;:' :U?: :' @9 :@(:B' A<(;' (;:' (:D? :' C :' B:! CE:B' ?C (E' ! 9D' : (' 9!' 9;CA F' < ' (;:' :<F;=9 =99B' C B' ! 9D' (;:' 6 6C' B9 C(<9 ' :@:<E:B' ! 9D' 2<6BC' A9 ;<??:

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<: - - 2 &' C < ' 9' -

(; :' A :F(: '@9C ('9!' 9D=CE' C(' C'B< (C 9:!'9!' W#ß D< : ' < ' (; :' :C' @9 < (' <(: C E' 9!' !< :' (: D? : ' C '?C(' ?' <B:' =E' <B: ' :'9!' (; : D' < ' B : B<@C(: B' (9' <D CF: ' 9!' 1 CE6 : ; AC ' C 9(; : ' (9' (; C(' 9!' CD: ; AC<H' (; :' (; < B' (9' ;(< ; C> : = C ' (; :' !96 (; :' (9' 2C < C CEC ' C B' (; :' !<!(; :' (9' <@: EC>CB<(QC ' ; : :' CD: ' C :' : F C : B' < ' F9 B: ' :((: ' 9 ' (; :' (9?' 9!' (; :' B99 ' 9!' : C@; ' : (<B: ' ; : E' : !: ' (9' ; C> < C B' (; :' D : D=: ' 9!' =< ' !CD< E ' ; :' !C@(' ; C ' : :B' (9' B<D< < ;' < ' (; :' :E: ' 9!' 9 (; 9B9U' 2< B6 ' (; :' : : : @:' C B' C @(<(E' B :' (9' (; :' (: D? : ' ; :' A ; 9 :' F 96?' 9!' !< :' (: D? : ' (C B '9 ' ; <F; ' F 96 B ' A<(; ' C' A<B:' DC BC?' < ' ! 9 (' C B' < ' C99: <= :' =E' C' ! <F; (' 9!' (: ? ' ; :' =6< B< F' 9!' (; :' F 96?' AC ' @9D D: @: B' < ' N := 6C E' &OOO' C B' !< < ; : B' < ' &O*W' A ; : ' (; :' C '9!' C :' KC ' 3 9 : 9 '9!' 9D=CE ' C B' < ' 2 : =: (' CD?<9 ' S(' ; <: !' 56 (<@:' 9!' (; :' 6? : D :' 96 (' 9!' 56B<@C(6 : ' =96(' #0' EC B ' ! 9D' (= ' (: D? : ' 9!' 1 C!CC C> ; D< ' < ' C' DC ' =6(=: C6(<!6 ' (C >' A<(; ' C' (9 :' ! <F; (' 9!' (: ? ' C B' C' A : < '99 (6@(: B' : @ 9 C : ' ; < ' (C >' AC ' =6< (' =E' C' F: (: D C ' 9!' (; :' =C C < C (: ' CD: B' 6 <BC ' 39?C BC ' (' (; :' ; : CB' 9!' (; :' (C >' C B' ! C >< F' (; :' ?6= <@' (; 9 96F; !C :' C :' (; :' (: D? : ' 9!' < C' C B' C 9; 9 : <' C B' C' B; C DC ; C C' 9 ' (; :' 9?? <(:' <B: ' ; :' @9 (' 9!' (; :' (C >' (; :' (: D? : ' C B' (; :' B; C DC ; C C' AC ' @9D?6(: B' (9' =: ' & &# OOO' ; :' ? 9?: (E' < ' : (: B' < ' 1 ' C B CAC BC ' 9 C=9(CDBC ' C ' (; :' (6 (: :' 9!' (; :' @; C <(<: ' 2 ' C B CAC6BC ' ; C ' @9 <B: C= E' <D? 9 : B' (; :' 6 96 B< F ' 9!' (; :' (C >' =E' (; :' CBB<(<9 '9!' C' FC B: ' C B' (; :' :' 9!' FC ' <F; (' 9 ' BC >' <F; (

ß ; :' 9 B' (: D? :' 9!' 1 CD=CB: <)' CE ' 1 ' 1 6 ? ; E / ß ! 9D' A ; <@; ' 1 CD=CC: < : D? : ' 9D=CE' AC ' ? 9?: E' B: ' : < : B ' AC ' 9 ' (; :' ? C CB: ' C B : D 9 : B' C=9 (' OO' E : C ' CF9' (9' <(' ? : : (' <(:)' ; < ' AC ' A <((: ' < ' &O, *' (9' (; :' ? : : (' (: D? :' < ' (; 6 ' C(' : C (' &*# E : C '9 B' : !9 :' <(' : D 9 C ' (9' <(' ? : : (' <(:' <(' K6 ' <(6C(: B' : C ' ; 9=< C C9 ' (' < ' 9(' > 9A ' A ; 9' =6< (' (; :' (: D? : ' 9!' 1 CD=CB: < (; : : W =6(' (; :' : (C= < ; C : 6(' 9!' (; :' F9BB: ' <C C<B' (9' ; C :' (C>: ' ? C@:' 9D :' ,OO' 9 '#OO' E : C ' CF9 ' ' F9BB: ' AC ' ? C@: B' < '<(' =E' C' 6 D=: '9!' (; :' 9 < @C (: ' !9 ' CD9 F' (; : D' C :' C9=' CD: ' C ' 2 C F' ; <D FC ' 1 CB C' 1 C' b@ ' C B' <(' ;9A ' (; C(' < 9: ' (; :' 9 < ' A: :' (; :' C=9 <F< : '9!' (; :' ? C@: ' (; :E' D6 (' ; C :' =6< (' (; :' (: D?< ' B : B<@C(: B' <(' (9' (; :' F9BB: ' C B' F< : ' (; :' F9BB: ' (; :< ' CD:

' ' 1 ' 'a ' 1 6 ? ; E) ' C?: '9 ' (; :' ; < (9 E'9!' 9D :'9!' (; :'9 B: (' C@: ' 9A' :((<: '< ' 9D=CE' ?CF:' &*O9!' 9 ' '9!'(; :' C C@(<9 '9!'(; :' 9D=CE' 3 :9F C?; <@C ' 9@<: (E

'39 < B' C CE:)' :999 ('9!' 9D=CE 'W B' :B<(<9

2 C' < ' C@@9 BC @:' A<(;' (;:' 2< B6' :C (: ' < B ' C :'
C@9 (9D:B' (9' @C ' (;:'F9B 'C B'F9BB: :'C!(: '(;:< '9A ' CD: '
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F9BB: ' 16D=CB: <' @@9 B< F' (9' (;:' C=9 :' C@@96 (' (;:'
? : : (' (:D? :'< ' :C E'&*#E:C '9B' (' KC' :D9 :B' ! 9D'<('
B' <(:'< '99 ::V6: 9:' 9!' 39 : D: (' :V6< < F' (;' <(:' !9 ' (;:'
?6 ?9 : ' 9!" C' @CD?' @9D?: C(<9 'D9 :E' ;C < F' =:: ' ?C<B' =E'
39 : D: ('(9' ;: < NC B6' ;:('K<(;' (;< ' D9 :E' C' (:D? :'
AC '=6<('=E'(;< ' =: <F: (:DC 'A;9'DC CF:B'<('C!!C< ' B6 < F'
;<' <!:'(<D:' 2< ' 6@@: 9 ' ;C :' (< ' (;:' DC CF:D: ('9!' (;:'
(:D? :' '?9 (<9 ' !' (;:' ?C@:' : @9 :B' =E' (;:' <(:'9!' (;:' (:D? :'
C B' <(' 6 96 B< F' :U(: B' ! 9D' 9 :' : B' 9!' (;:' 1C ACB<'
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:D? :'C :'9 '9 :' <B:'C B'6 B: '9 :' 99!'(;:'!< :'(:D? : ' : ?:@[
(< : E'B:B<@C(:B' (9' 3C ?C(<' 2C DC ' ;< C ' 16D=CB: <' C B'
B C <' '(;:'9??9 <(:' <B:' < '(;:'(:D? :' ! C> =D<' C CE: '
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29)=:'5CFC C(;' ;C >: :((' A;9'C 9' =6<(' C' (9 :E' 9 : ' (=:'
:(:D? :' 9@::B< F' (9AC B '(;:' B< :@(<9 ' 9!' (;:' C F:' 1 D=C"
B: < (C >'E96' D::(' A<(;' (=:' D< <C(6 :' (:D? : '9!' 5CFC C(=<C B'
i C B: <<' A;9 :' A9 ;<??: ' C :' (<(' 9 ' CAC ' B<9< < F'(;:'
\:99 B'B99 ' :CB< F'< (9'(;:' 1C ACB<' CQCC ' C B' < ' ! 9 (' 9!'(;:'
C F:'(C >'C :'(;:'(:D? : ' 9!' 3C ?C(<' C> =D<' C CE: ' =< C'
C B' 2C DC ' :;< B'(;:D'<'C' C F:' ;CD<'(::' A;<@;'<' A9 [
;<??:B'=E'(=:' 2< B '9 '(;:' C :C;' !: (< C' 9 ' (;:' =<(;BCE'
9!'(;:' C C C(<' =:' 16D=CB: <'(C >'AC '=6<('=E' =:((' CF "
BCC' C C C>;EC'9 '(;:' < :' C=;AC C' C(' 9 :' (<D:' (;:' ;:CB'9!'
(;:' C <C '99D D <(E'< ' 9D=CE
;:' 1C;9D:BC ' 99D D <(E'9!' 9D=CE'9A ' 9' !:A: ' (;C ' OP'
D9 V : ' @C((: :B' C=96('(;:' < C B'
19 V6: ' ! 9D' 39 C=C'(9' 1C;< C' !' (;< ' C F:
6D=:'=E'!C '(;:'F :C(: ' ?9 (<9 ' =: 9 F' : ?:@<C E'(9'(=:' 6 <'
:@('(;:' 9 C; '9A 'O'(;:'S;9 C 'W'C B'(;:' 19F6 '&' '< '9(;: '
C F:' 16 C DC ' @: (: '(;:' ? < @<?C' D9 V :';: :'< '@C :B'(;:'
56DC' 16C <B' 9 ' N <BCE' 19 V6: Z N <BCE' =:< F'(;:' 1C;9D:BC '
C==C(;' ('< '= <('9 :'C' C F:'(C >'A;<@;'< ' : ' B E' C B'< '
<(6C(:B'< '(;:'9 B' 9(;' 1C >:(' :C' (;:' CA!9 B' 1C >:(' ;:'
D9 V6:' < 'C' : E'9 B' 9 :' C B' ;C'9 @:' C(' :C (' =:: ' :=6<('< '
AEGW(' R '(;:' C(:' 1C;9D:B' < 9FCE'+F C B!C(;:'9!'(;:'? : : (

?C< ' ;C ' ?9 : :B' M' ;6 B :B ' 9!' (;96 C B ' 9!' C< (' ? :CB' C ' 9 : ' (; :' 1C;9D:BC ' K9 B' A ;9' ;C :' ?: !9 D:B' F :C(' A9 B: Y' ; :' @;<:!' 9!' (;9 :' A ;9' C :' ?:@<C E' <B: (<!<:B' A<(;' 9D=CE' C??:C ' (9' ; :' 2<' 29< : ' NC>><;' <' 2C>;B6D' C;<=' 9!' 1C;<D' 1C>;< D' C;<=' ::D ' (9' ;C :' B9 :' DC E' (;< F ' A ;<@;' DCE' =:' B: @ <=:B' C ' M' K9 B: !6 Y' C B' < ' ;: B' < ' F :C(' : : : @:' : B' : (: :D' =E' C ' B: 9 (' 1 CC DC '9!' (;: :' ?C (' ;: :' C :' C=96(' TO' @: := C(:B' C< ('< '(;:' ?C (;:9 ' 9!' (;:' 9D=CE' 1C;9D:BC

9D=CE' <' ? :': D< : (E' (;:' @<(E' !9 ' !C< ' ;: :' FC(;: < F ' C :' ;: :' 9!' D9 :' ! :V6: (' 9@@6 : @:' 1C;9D:BC 'NC ' C B' F :C(: '? :(<9 ' (;C ' ?: ;C? : :A ;: :' < ' B<C' 'C B' C' C F:' 6D=: ' 9!' (;: D ' 9A :' (;:< '9 <F< ' (9' 1C DC6' (CB<(<9 '=:< F' ;: B' < ' =9 9 '9!' (;:' TO' C< (' 9!' A ;9D' D: (<9 ' ;C ' (' =:: ' DCB:' 9D :' 9!' (;: :' !C< ' C (' 9 E' C' < F :' <F;(' < ' (;:' E:C ' C' !:A' C :' 9= : :B' !9 ' : : C ' BCE ' C(' C' (<D:' C B' 9(;: ' C :' ;: B' K ::> E ' ;:' 1C=<D' !C< ' ;: B' < ' 9 :D=: ' 9 ' :@:D=: ' < ' =9 9 '9!' NC><;' <' 1C>;B D' C;<=' ;:CB ' (;:' < (' (' C (' :<F;(' BCE ' ' C B' (;:' :6C' C((C@(<9 ' < ' (;:' ;C?:' 9!' ?<@(6 : V6:' =99(;' !9 '(9E 'C B' A::(D:C(' D: E'F9' 96 B ' C B' D:< E'C B :A 'B CA' @ 9AB '9!' C(< : ' 9!' =9(;' :U: ' C B' C ' B: 9[D< C(<9 ' C B' 9D :' !: A' 2 6 9?:C ' (9' (;:' @: :

(' DCE' =:' :! ' !9 ' :A' C < C ' < ' $' (9' > 9A' A ;: :' (9' :@6 :' (;:' : <@: ' 9!' C' V6C <!<:B' 1 ;< ' D ;<' 9 ' (:C@;: ' 9!' : <C ' 9 2< B6 (C <

;: :' C :' 9' !: A: ' (;C ' .*' C ::' !< :'(:D? : ' r<= -' 9!' (;:' @<(E' :U@ 6 < :' 9!' < :H 4W<G U< 9' :D? : ' < (: B:B' !9 '(;:' ?:@<C' :9< @: (C< ' A :C (;E' !CD<<: ' ;: E' C :' 9!' (; :' F CB: '9!' <D ?9 (C @: Z' (;:' !< ('=:< F' > 9A 'C' (: ;' :; CD ' ' (;:' :@9 B' C ' F ;<C < 'C B' (;:' (;< B' C ' (: ;' CBFC; ' !' (;:' !< (' F CB:' C :' Z &' 9AC :' CD :' C C :) ' <(6C(:B' < ' SC :' ACBE' ;6 :E' :CB' @ W' (;:' :A' N< :' :D? :' =6< ('! 9D' !6 B ' 6= @ <=:B' =E' C :: ' <(6H C(:B' C(' ;9= :' C C9' 9 ' (;:' :C@;' C BE' 9CB' ' C B' * ' CBE' C AC :' :' (() ' (;:' 9 B: (' : (C= < ;:B' C=96(' C' @: (6 E' / @ :C ' N6 6 ACBE' C :' 96(<B:' (;:' N9 (' !' (;:' :@9 B' F CB:' (;: :' C :' *& !< :'(:D? : ' <(6C(:B' < ' B<!<: : (' 9@C <(<: ' < ;C=<(:B' =E' C :: ' (A9' 9!' (;:D' < ' (;:' N9 (' > 9A ' C ' C C :' <D ::) ' C B' 1C 99> :' 9A 9 :' :(C) ' ;C < F' =:: ' : (C= < ;:B' :C E' (A9' @: (6 <: ' CF9 ' ;:' =6< B< F ' C :' ? C< ' < B::B' 6F E ' A<(;' (;:' :U@:?(<9 '9!' (;:' :A' 9 :' C(' ;9=<:' C C9' 9?: :B' C (' E:C ' (;:' =V<5B< F ' % +%' % ' C (9F:(;: ' @9 (' C=96(' ('D&GC&CCC&% ' %

< D ? 9 < F (; : ' ! 9 (' AC ?' A ;<@;' C :' A 99FS(' < ' 9 := B:!'
(9 :' =:C < F' <@;' :C < F ' C B' D:BC <9 ' :? : : (< F' 9D:' 9!'
(; :' A: '> 9A ' ED=9 ' 9!' (; :' 49 9C:(<C ' : <F<9 ' ; :' (6@(6 :'
< ' =6< (' C!(: ' (; :' : <?9 <(C ' (E : ' C B' (; :' ! 9 (CF:' ?C (<@6 C E' <:'
C ' <D<(C(<9 ' 9!' (; :' ?C C@:' 9!' S< F' 5CD ; :B' ; :' C(: (' C <(C E'
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C (' C B' 9' < ' (; :' %)' %)' A ; : :' (; :' C@ :B' T :' AC '
< (C :B' A<(;' B :' @: :D9 E' < ' @(9=: ' !@P%' ; :' M '
%)' < ' C=96(' W# ! : : (' 9 F' C B' C ' :V6C' 6D=: ' 9!' ! : : (' < '
A<B(; ' C B' < ' (; :' @: (:' < ' ? C@:B' C' DC = :' ?:B: (C ' 6?9 ' A ;<@;'
(C B' (; :' ; 6F:' < : ' :A: ' @9 (C< < F' (; :' @C :B' !< :' 9' 9 : '
:U@:?(' (; :' 9!!<@<C(< F' ? <: (' < ' C 9A:B' (9' : (: ' (; :' 99D' A ;<@;' <C'
?C (<(<9 :B' 9!!' =E' = C ' C< < F ' C B' A ; : : ' =: <B: ' (; :' =: ' A ;<@;'
C :' ; 6 F' (9' < F' < ' C B' < F' 96(' (; :' !< :' / ' 9 ' ?9 (<9 ' 9!' (; :' BCE '
C : (:' ; :' !99 B' A9 B ' C B' 9(; : ' A:C?9 ' 6 :B' =E' (; :' C @<: (' : "
!<<H`O (9' ? : : (' < (6B: C' ! 9D' B:= < F' (; :' !< : ' :U(' (9' < ; :' CC$'H
< D' %)' < ' (; :' ? CE: ' ; C ' A ;<@;' < ' ## ! : : (' 9 F' C B' ## A<B? '
; :' ; :<F; (' =:(A : : ' (; :' ! 99 ' C B' (; :' @:< < F' =:< F' :C E' W&' ! : : (' ; :'
? CE: ' ; C ' <C' @C ?:(:B' A<(;' <@;' 6 : ' @C ?:(' (; :' @:< < F' =:< F'
@9 : :B' A<(;' < >' C B' C(< ' =9 B: :B' A<(;' C' ! < F:' 9!' < >' (C : '
; :' : (C @:' ; C ' < ' ?C :B' A<(;' D< (99'(< : ' C B' 9 ' (; :' AC ' 9 '
(; : :' <B: ' 9!' <(' C :' 9= : :B' DC = :' (C= :(' =:C < F' (; :' CD: ' 9!'
(; :' B<!! : : (' B9 9 ' A ; 9' ; C :' F< : ' C F:' 6D ' !9 ' (; :' @9 (6 :"
(< ' 9!' @: (C< ' ?9 (<9 ' 9!' (; :' =6< B< F' A ;<@;' C :' CD:B' C!(: '
(; : D' JH
' (; :' !< . 5 E ' '
FF' FF ' F <F' FF' A<B: ' (; :' 99!
//9;' < ' C=9 (' WO' !B:(' ;<F; ' =:< F' 6??9 (:B' 9 ' !96 ' ! 6(:B'
@9 6D ' A<(;' @9 9 C ' =:C < F' ; :CB ' 9!' C @<: (' : <C ' ;9 : '
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=; 9E' : AC : :' 9 (C@(9 ' A ; 9' ; C ' ?C<B' C=96(' ' WO OOO'
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: E' C :' C @<: (' : <C ' <(: C(6 :' E' ?: 9 C' ? 9!: < F' (; :'
49 9CC(<C ' !C<(;' C :' ?: D<((:B' (9' : (: ' (; :' =6< B< F' ; :' C@ :B'
!< :' < ' >:?(' < ' C' @: (C ' 99D ' C=9 (' &,' ! : : (' V6C : ' < ' @; C F:' 9!' C'
? <: (' @9 :@ C(:B' !9 ' (; :' ?6 ?9 :' 2< ' B6(E' < ' (9' :?:C('
? CE: ' C@@9 B< F' (9' (; :' ? : @ <=:B' 6 : ' C B' (9' @C :!6 E' 6?? E'
(; :' !< :' A<(;' !6 : ' ?: !6D :B' =E' C' DC ' V6C (<(E' 9!' CC B :A99B' 9 '
9(; : ' C 9DC(<@ ' ; :' < <(: C(:' A9 ;<?' (; < ' C@ :B' ! CD: ' C ' C 9'
(; :' ' D99 ' C B' (C ' = (' (; :' < (6@(:B' CB9 :' 9 E' (; :' D<F; (E'
=:!9 :' (; :' M' !96 (C< ' 9!' <F; (Y' C : : ' C :' @9DD9 E' @C :B' !< C"
K9 ;<??: ' =C(' : : C ' A: '> 9A ' 26 9?:C ' @;9C ' ;C C

? 9 :B' (;:' 6??9 <(<9(< (9' =:' (99 B:B' 9 ' A 9 F' BC(C' ' 2EB:'< ';<'@::= C(:B'A9 >' 9 ' (;:' C @<: (' C :' :<F<9 < C 9' CE '(;C(' M' ;:' :C<C .' ! 9D'(;:' =:F<9 < F' 9!' (;:<':U< (H' :@:'C'C' C(<9 'C ACE '=:<: :B' <'9 E' 9 :' C B' (;:' CD:' (6:' C B' 9D <??9(: (' 39B' ;:E' =: <: :B'<'C ' (;:' C((<=C(: ' 9!' (;:' :<(E' =: <: :B'=E' ''C B' 39B'<'@C :B'<'(;:<'9A ' A <(< F ' (;:' :C ' (;:' :C(9 '(;:' 39 : 9 'C B' (;:' : : :' 9!' (;:' A9 B Y' 1 ' 9 C=;9E' N CD ::'<';<' =99>' 9 ' (;:' NC :: ' CE Z M ;:' @;C F:'9!' !< :' 9 7 AC(: ' C B' C<' A9 ;<?' ;C ' ;9A: : ' =:: ' = 96F;('CFC< ('(;:' NC ::' =E' (;9 :' 9(' 6!!<@<: (E' C@V C<6(:B' A<(;'(;:' 49 9C (<C '!C<(;' (9' !9 D' C' 6 (' 9?< <9 ' ;:' C :' (;:D : :' :?:'(;:' @;C F:' A<(;' < B<F C(<9 ' >' C' C :' A;:[(;:' ;:'<'C A9 ;<??:'9!'(;:' '9 '!< :'C B' ;:' A< ' :D?;C(<@C E' C A: Z 9/Y' ;<'B:@C C(<9 '<(:!'@9D< F'! 9D'9 :'A;9 :'9A ' :<F<9 '<' 49 9C (<C < D'96F;('(9' =:' 6!!<@<: ('(9' C< !E' (;:' D9 (' @:?(<@C ' 39B'C@@9 B< F'(9' C :' !C<(;'<' (;:' :D= :D' 9!' F 9 E' :<.6 F: @:' C B' <F;('C B' <'(;<' <:A' C' C ::' A;<:' :FCF:B' <'? CE: ' M'<'B< :@(:B'(9' (C B' =:!9 :'(;:'!< :'9 '(9'B< :@(' ;<'!C@:' (9AC B'(;:' 9 'C'(;:'D9 (' ? 9?:' ED=9 '9!'(;:' D<F;(E Y' @<: (' ;<(9 E' :C ' (;C(' (;:' C@ :B' !< :' 9!' N 9=C;' AC' : (C=< ;:B' =E' S< F' 5CD ;:B' 9 '(;:' (9?'9!'(;:' 3 BDC B' 29DC B' '(;:' 3 9 <96 ' 1 99 <C<6' < ' (;:' C B' 9!' =AC <Q: 9' A ;<@;' KC' 6= :V6: (E' :D9 :B'(;: @:' =E' S< F' 36 (C ?' > 9A 'C ' C <6 ' BE (C ?: 'C!(: ';:' ;CB' =:: ' ? 9 :E(< :B' =E' 49 9C (: 'C B' <('AC' (C :B'9 ' (;:' 9:=C ' D96 (C< ' <:A' C' C :' ;:' C@ :B'!< :' 9!' 3 ;C ?' AC' < ' (;:' :F6' 9!' 3ED ' (;:' 3 :C('9 ' SC<>=9 ' : [(; 9 :B' < ' C ' 9 CD: (C' :B<!<@:' 9 ' (;:' =9 B: ' 9!' C>:' =<@;C (' I K;:' (;:' ! CD: ' 9!'(;:' !< :' A: :' C<B' (9';C :' =6 (' C B' B: (9E:B' (;:' :C ' <B9;(:D? :' < ' (;:' :<F;=96 ;99B' ;:' C@ :B' !< :' 9!' 6 < ' 1:;:' AC ' :(C=< ;:B' =E' S< F' 2E (C ?: ' 9 ' 196 (' : C B' 9 ' (;:' <BF:' 9!' < (C ?' < ' S;9 C C ' ;:' C=9 : CD:B' (;:' !< : ' C@@9 B< F'(9' 9!: 9 ' K: (' @9 (<(6(:' (;:' !< :' :;C CD' 9 ' (;:' <@(9 <96 ' (9F:(;:' A<(;' (;:' M' !< : ' 9!' (;:' A9 B Y' ;:' M' !< : ' 9!' (;:' A9 '<Y' C ' (;:E' C :' B:!< :B' < ' (;:' : B<BCB' C B' (C C(:B' =E' 9!: 9 ' C D: (:(: ' C :C ' !9 9A "Z +&R' @9 ? :' =6 < F' !< :' +WR' (;:' !< :' A;:<' :U: :D: (' ;C ' =:: ' =6 (' 6@;'C '(;:' !< :' 9!' (;:' C@' DC>: ' C B' 9!' (;:' BE: ' ' +*R' (;:' !< :' A;:<' @9A'B6 F' ;C ' =:: ' =6 (' 6@;' C ' (;:' !< :' 9!' C' =C(;+,R' (;:' !< :' ! 9D' (;:' >< ' 9!' C' = <@>DC>: ' 9 ' ! 9D' C' <D:'>< 9' +#R' (;:' !< :' ! 9D' (;:' ?9((:)' >< ' ' +TR' (;:' !< :' 9!' (;:' :C?: ' +%R' (;:' !< :' 9!' C' F9 B D<(;' ' +OR' (;:' !< :' 9!' C' < : D<(;' +PR' (;:' !< :' 9!' C' A9 >: ' '= C ' + ' (;:' !< :' 9!' C' = C@> D<(;' ' +&&R' (;:' !< :' 9!' C' 9 : '9 ' C' =C>:)' !< :' +&WR' (;:' !< :' ! 9D' 6 B: 'C' @C6 B 9 ' 9 '><(@;: ' !< :' < +&OR' (;:' !< :' ! 9D' C ' : @CD?D: (R' +&,R' C' ;: B '

DC ' !< :' ' +&#R' (; :' !< :' 9!' (; :' !<: B ' +&TR' (; :' !< :' 9!' 9 :) ' 9A ' ; :C (; ' ' E' (A<(; ' <: @9 ?9 C(<9 ' 9!' (; : :' !< : ' C!(: ' (; :' ?: !9 DC @:' 9 : ' (; : D' 9!' @: (C< ' ?6 <!<@C(<9 ' @: : D9 <: ' A<(;' (; :' :@<(C(<9 ' 9!' (; :' ? : @ <=:B' ? CE: ' C (< F' @ 9 :' 6?9 ' C' E:C ' C B'< 9 < F'C ' ' :U?: :' 9!' 9D :' (;96 C B ' 9!' 6?: : ' (; :' :; CD' !< :' =:@9D: ' : ? : B: (' A<(; ' @: : (<C ' = < <C @: ' @@9 B< F' (9' C : ' @ <?(6 : ' (; :' D: <(' 9!' DC>< F' C' @9 :@(<9 ' 9!' (; :' <U(: : ' !< : ' ;C ' =: : ' @C @6[C(:B' (9' =:' :V6< C : (' (9' (; :' FC(; : < F' 9!' @ 9 :' 6?9 ' C' D< <9 ' C B' C' V6C (: ' 9!' 9 B< C E' !< : ' ' C@: B9(C ' A <(: ' (C(: ' (; C(' < ' (; :' ; C @E9 ' BCE ' 9!' (; :' D?< : ' 9!' : <C ' (; : :' A: :' 9' !: A: ' (; C W, OOO' !< :'(: D? : ' :U< (< F ' !9 ' (; :' >< B < F ' CD9 F (' (; :' !9 9A: ' !' (; :' !C<(; ' 9!' : <F<96 ' Q:C ' C B' C@ :B' !: 96 ' C B' ;:' F< : ' C ' ' 9?< <9 ' (9' (; :' :!!:@(' (; C(' < ' (; :' < (: : (' 9!' ; :C (; ' C B' 9!' (; :' ?6 <[!<@C(<9 ' 9!' (; :' C(D9 ?; : :' <(' KC ' ?: : D?(9 E' (; C(' (; :' M' =: :!<9<C ' Y' C(<9' 9!' 9 :' !< :'(: D? :' (9' : : E' = 9@>' 9!' (: ' C : ' ;96 : ' ;96 B' =:' DC< (C< :B ' ;:' ? <: (' ' @; C F:' 9!' (; < ' C@ :B' !< :' C :' =96 B' (9' F6C B' CFC< (' <(' B:!< : D: (' =E' !9 @:' 9!' C D ' <!' :@: C E ' C B' (; C(' < ' (; :' :C 9 ' A ; E' A9 B ' C B' 9=' 9(; : ' A:C?9 ' C :' >:?(' 6 ?: B:B' 9 ' (; :' AC ' 9!' (; :' %) ' R %) (' A ; : :' (; :' !< :' < ' @9 (C (E' !:B' A<(; ' C BC A99B' C B' ! C >< @: :' C B' < ' 9(' 9A:B' (9' =:' :U(< F6< ; :B' !9 ' <!' <(' < ' 9 @:' :U(< F < ; :B' <(' < ' B: 6B:B' 9!' C ' <(') C@ :B9: ' 9' <F ; (' :<(; : '9!' 6 ' D99 ' (C ' !< : ' CD?' 9 ' <F ; (< F' ;96 B' :C@; ' <(' 9 ' =:' ?: D<((:B' (9' C?? 9C@; ' <(' (' < ' (; < ' C@ :B' !< :(' A ; <@; ' C9 :9 B<9F' (9' 1 ' 1<) ' (C C(<9 ' 9!' (; :' 3 C(; C ' (:C@; : ' (6(; ' C B' : B9A ' 49<9C (<C6 ' A<(; ' (; :' B< @: D: (' 9!' (; :' B99(< :!<' 9!' (; :< ' !C<(; ' (' DCB: ' C@@9 B< F' (9' 1 ' 1< ' (; :' < !C <= :' 9<9. ' 9!' 49 9C (: ' D<F; (E ' =:@C :' ; :' ?9>:' A<(; ' (; :' ! CD:' 9!' (; :' !< :' 9!' ;6 C' 1 CQBC ' (; :' K< :' :C(9 K :' ;C :' BA: (' C(' 9D:' : F(; ' 9 ' (; :' ?6= <@' =6< B< F ' C B ;:' : : C' : 6 (' 9D=CE ' !9 ' A:' (C>:' C ?C C9 C6 9' ? <B:' < ' (; : D ' (' < ' 9(' 9 E' (; C(' 9' DC@; ' ;C ' =:: ' B9 :' A: ' =6(' (; C(' 9' C F:' C' ?9 (<9 ' 9!' A ; C(' ;C ' =:: ' :! :@ :B' < ' B6:' (9' (; :' D6 <!<@: @:' 9!' < B< <B6C ' @<(<Q: ' :(A : : ' &OTO' C B' &OO# (; : :' A: :' ?: (' (; :' <D? 9 :D: (' 9!' 9D=CE' < ' 9CB ' :@ CDC(<9 ' C B' ?6= <@' =6< B< F ' C(' :C (' T.' D< <9 ' (: < F ' (; :' CD:' ?: <9B' (; :' 1 6 <@<?C <(E' :U?: B:B' 9(' (; C ' !96 ' D< <9 ' < ' C <(C(<9 ' C B' F: : C ' @9 : C @E ' C B' B6 < F' (; :' C (' B:@CB:' (; :' :U?: B< 6 :' ;C ' = : ' ? 9?9 (<9 C(: E' F :C(' 9D:' 9!' (; < ' C (' 96(CE' DCE' ; C :' =:: ' :U(C CFC (' : C(; ' 6 B96=(:B' : 6 (' ;C ' =:: ' (9' @9 : (' C ' 6F E' C B' !< (; E' (9A ' < (9' C' ; :C (; E' C B' ; C B 9D:' @<(E ' ; : :' C : ' ;9A: : ' DC E' ?C (' 9!' (; :' @<(E ' D9 :' ?C (<@6 C E' < ' (; :' C(< :' !' A ; <@; ' (C B' < ' F :C(' C B' ? : < F' : :B' 9!' (; 9' C ; C E' ' (; : ' <D? 9 :D: (' A ; <@; ' C :' (9' =:' :!!:@(:B

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9' C@@96 (' 9!' (; :' F :C(' @C CD<(E' A=<@;' 9 : (99>' 9D=CE' < ' (; :' @ 9 < F' D9 (; ' 9!' &OPT' DCE' =: ' C?? 9? <C(: E' < : (:B' ; : : ' !9 ' ! 9D' (; < ' : < ' F99B' ; C ' @9D : ' A ; <@; ' A< ' < ' !6(6 :' E:C ' : 6 (' < ' : E' F :C(' <D? 9 : D : (' < ' 9D=CE ' :CB< F' (9' DC E' @; C F: ' < ' (; :' H F: : C ' B : @ <?(<9 ' F< ' < ' (; :' ? :@:B< F' @; C?(: ' 6D:[96 ' (; :9 <: ' ; C :'=: : 'CB C @:B' (9' C@@96 (' !9 ' (; :' C??:C C @:' 9!' (; :' :?<B: D<@' =6(' (9' (; < ' BCE' 9' C(< !C@(9 E' C B' A : ': (C= < ; :B' @9 [@ 6 <9 ' ; C ' =: : ' C < :B' C(' 9 ' (; :' 6= :@(' <' A :' > :A' < ' (; C(' < ' :?(: D=: ' &OPT' <(' AC ' C :F :B' (; C(' (; :' ? CF6 :' =CB' C??:C :B' < ' (; :' B< (<@(' 9!' 2C B < ' C B' (; C(' C' 6D=: ' 9!' B:C(; ' ; CB' (C>: ' ? C@:' (; : :! 9D ' 9!: 9 ' C!!><: ' (; :' : D< : (' =C@(: <9 9F< (' AC ' : (' B9A ' (9' 9D=CE' =E' (; :' 39 : D : (' 9!' B<C ' C B' 9 ' @(9=: ' 0(;' C!(: ' B6 :' < : (<FC(<9 ' ? 9 96 @:B' (; :' B< :C :' (9' =:' (6 :' ? CF6 : ' : F:(<9' D :C 6 : ' (9' ? : : (' (; :' CB C @:' 9!' (; :' B< :C :' A : :' (C>: ' =E' (; :' 2 <:<?C ' C6(; 9 <(<: ' (; :' 9!!<@: ' ? < @<?C E' @9 @: :B' =:< F' M &' 9A ' (; :' 9D D< <9 : ' ' ' K :< ' (; :' 2 :C (; ' !!<@: ' C B' 4 ' 5CD: ' C< CF :' F< : : ' 1 :C 6 : ' 9!' @ :C < F' C B' B< [< !:@(< F' K : :' @C <:B' 9 (' 9 ' C' C F :' C@C : ' C B' !9 ' C' (<D :' (; :E' : : D :B' (9' =:' 69@: : ! ' ; :' 6D=: ' 9!' @C : ' :?9 (:B' BC< E' B<D< < ; :B ' C B' < ' 29 D=: ' <(' 99>:B' C ' (; 96F=' C ' :?<B: D<@' A96 B' =:' C : (:B ' ; :' 9 :' B< V6<:(< F' !:C(6 :' AC ' (; C(?9 CB<@' C((C@> ' A : :' :?9 (:B' < ' 9(; : ' AC B ' (; C ' (; C(' < ' A ; <@; ' (; :' B< :C :' KC ' !< (' 9(<@:B ' ' (; :' D9 (; ' 9!' :@:D=: ' (; :' 6D=: ' 9!' @C : ' :?9 (:B' 6BB: E' (99>' C ' 6?AC B' =96 B' =6(' <(' AC ' 9 :' A ; <9=' AC ' 9(' @9D D : 6 C(:' A<(; ' (; :' < @ :C :' < ' (; :' (9(C ' D9 (C <(E ' C B' (; : :' KC ' :C 9 ' (9' =: <: :' (; C(' DC E' 9C : '9!' ? CF6 :' A : :' =:< F' @9 @:C :B ' ' (; :' : B' 9!' (; :' E :C ' (; :' B :C(; ' C(:' ; CB' < : ' (9' &&# ? : ' D< :' ?: ' C 6D ' 9' (:D' (; :' C CF: ' 9!' (; :' B< :C :' C ' <DD :6 :' CD96 (' 9!' A9 >' AC ' B9 :' =E' (; :' 1 6 <@<?C ' :Q:@ (< : ' A<(; ' C' 6 (C< :B' : : FE' : : ' =: !9 :' B< ? CE :B' < ' C E' <: (C ' @C?<(C ' A<(; ' (; :' : 6 (' (; C(9D=CE' 6 V6: (<9 C= E' =:@CD :' (; :' @ :C : (' @<(E' < ' (; :' C (' :C < F' B< < !:9(< F' <D :' AC ; < F' >:?(' (; :' D9 (C <(E' A<(; < ' <D<(' : : ' =:!9 :' 9=(C< :B' < ' C' ? CF6 :' < <(C(<9 ' C(<: (' A : :' :[D9 :B' (9' (; :' !:@(<9 ' < :C :' 29 ?<(C ' < ' 9 B: ' (9' ? : : ('C ' !C 'C ' ?9 <= : ' (; :' < !:@(<9 ' 9!' (; :' ; :C (; E' ; < ' :D9 C ' 9!' ?C(<: (' AC ' D9 (' (9 F E' : : (:B' =E' (; :' ??9? C9: ' C B' (; :E' :!(' (; :' @<(E' < ' < @ :C < F' 6D=: ' (; : < ' B :CB' 9!' (; :' ? CF :

W&

; :' :QC6? :' :(' =E' (; :' ?99 ' ACC' !9 9A :B' : : ' =E' (; :' D<BB :' C B' A : '(9'B9' (CB< F' @ C : : ' C B'=E' (; :' :C E' ?C (' !' 5C 6C E' (; :' @9D [D : @:' 9!' (; :'@<(E' = : @C D :' D 9 :'F : C(E'B : ? :F : : B' (; C '9 ' C E'9@@C <9 ' < @:' (; :' @9 C? :' !' (; :' ;C :' 1C <C' 1C E' =6 < : ' 9!!<@: ' A : :' @ 9 :B ' C B' (; 9 : :' : D C< < F' 9?: ' ; CB' (9 ' (; :' D 9 (' ?C (' 9 E' (; :' 96(< :' A 9 >' (9' F : (' (; 96F ; ' `6C C (< :' CFC< (' 9D=CE' C B' SC C[@ ; < Z (9' A ; <@ ; ' @<(E' (; :' ? CF6 : ' ; CB' ? CB Z AC ' <D ?9 :B' =E' : : E' !9 :<F ' @96 (E ' C B' (; :' N : @ ; ' C6(; 9 <(<: ' : : ' A : (' 9' !C ' C ' (9' ? 9 ; <=<(' <D ?9 (' ! 9D ' K : (: ' B<C' C (9F : (; : ' :U@ : ?(< F' C('@: (C< ' 9!' (; :' F < ; ' ; C : ' ?9? ; C(<9 '9!' 9D=CE' AC ' : B6@ : B' =E' !6 E' 9 : ' ; C ! ' C B' (; :' ?: (< : @ :' AC ' (C>: ' =E' (; :' :!6F : : '< (9' (; :' (9A ' C B' < CF : ' 9!' 9(; : ' ?C ('9!' (; :' : <B : @E ' (; 96F ; ' =6 < : ' =CB' = : : '= < >'< ' (; :' : C E' ?C ('9!' (; :' E : C '96 ' !9 : <F ' (CB : ' !9 ' (; :' (A : :' D 96(; ' : B< F' 9 ' 1C @ ; ' *& (' &OP%' ! : '< ' C 6 :' ! 9D ' T TO*' C> ; ' (9' T OOT' C> ; ' 9!' 6?: : ' ' : ?9 :' (9' (; :' 6 F : (' :[? : : (C(<9 ' 9!' (; :' 6 9?: C ' 9A : ' ?< F <DCF : ' (9' (; :' 2 9 E' <(<: ' 9!' C=<C' AF ' ? 9 ; <=<(: B ' !< (' 9!' C ' ! 9D ' 9D=CE' C B' SC C@ ; <' C B' 6= :V6 : (E' ! 9D' E' B<C ' ?9 (' ; :' :U9B6 ' AC ' : ?: @<C E' ! : (' =E' (; :' @ ; <: I' < B6 (E' 9!' 9D=CE ' (; C(' 9!' (: U(< : ' @9((9 ' DC 6!C@(6 : ' K ; : ' (; < F ' A : :' C(' (; :< ' A 9 (' 9 E' C=96(' 9 :'!96 (; ' 9!' (; :' D< ' ; C B' : D C< :B' < '(; :' @<(E ' C B' ? 9B6@(<9 ' AC ' : 9 [D96 E' 96 (C \ : B' ' 9(' : D ?9A : < F' (; :' 9@C ' 39 : D : (' C B' 6 B : '@: (C< ' : (<@(<9 ' 1 6 <@<?C ' C6(; 9 <(<: ' (9' (C>: ' ?: @<C ' D : C[6 : ' (9' ? : : (' (; :' < (9B6@(<9 '9 ' ? :CB' 9!' ? CF6 : ' AC ' ?C :B' = E (; :' D?: <C ' :F< C(< :' 9 @< 'C6B' <(' ? 9 < <9 ' A : :' ! : : E' :[9 (:B' (9' ; :' < ?: @(<9 '9!' C ' 96(F9< F' C B' < @9D < F' ?C : F: ' ! 9D' 9D=CE ' A ; : (; : '=E' :C' 9 ' C< 'C B' (; :' B : (: (<9 '< ' V6C C (< :' 9!' C E' ?: 9 ' ; 9A < F' (; :' :C (' ED?(9D ' 9!' ? CF6 : ' AC ' 9 B: :B ' ' (: C(<9 C ' 9 !: : @:' AC ' ; : B' C(' : <@: ' C B' C<B' B9A ' 6 : ' C ' (9' (; :' V6C C (< :' C?? <@C= : ('9' : : ' ! 9D' (; :' < !:@(:B' ?9 (' C > '(9' (; :' :!!9 ('9!' (; :' :? : : (C(< : ' 9!' (; :' B<C ' 39 : [D : ('(; : :' : ' A : :' 9(' V6<(:' 9' (< F: ('C ' ; CB' =: : ' C (<@<?C(:B/ =6('!9 'C ' (; C(' (; :E' ; C :' ; CB' C' : '<!6: @:' 9 ' (CB : ' ; :' ; <F ; : (' D9 (C <(E' :C@ ; :B' < ' (; :' @<(E' AC ' < ' (; :' D<BB :'9!' N : = 6C E' A ; : ' 9' : ' (; C ' & P&& B : C(; ' A : :' :F< (: :B' < ' C' < F :' A : : >

; :' (6 ' 9!' (; :' (<B : ' ; CB' A : ' :(' < ' C B' C' ! : A ' 9!' (; :' :!6F : : ' A : :' = : F< < F' (9' :(6 ' A ; : ' <U' D 9 (; ' C!(: ' (; :' @9D D : @ : D : (' 9!' (; :' ? CF6 : ' 6?9 '(; :' CB <@:' 9!' ' CA 9 ' A ; 9 ' CB' = : : ' : (' 96(' =E' (; :' :@ : (C E' 9!' (C(:' 9 ' C@@96 (' 9!' ; < ' : U?: <: @:' < ' 2 9 F>9 F' (; :' A 9 >' 9!' ? CF6 : ' 6?? : <9 ' AC ' (C !: :B' ! 9D' (; :' 1 6 <@<?C ' : U : @6(< :' (9' C' 9D D < ((: :' : ?: 9<C E' C ??9< (: B' !9 ' (; :' ?6 ?9 : ' C B' @ ; C F : B' A <(; ' (; :' : ?9 <=< <(E' 9!' ?C((< F' < (9' !9 @:' (; :' B C (<@

?9A: 'F C (:B'6 B: '(;:' ?<B:D<@' < :C : ' @('?C :B'C'D9 (;'9 ' 9' :C <: " : : C' 3C(C9 :' AC ' C??9< (:B' : <B:9(9('(;:' 9DD<((:: ';<' (; ::'@9 :CF6: '=:< F' 1<<' 9A'(;:' 19 <@<?C' 9DD< <9 : ' ' <D D99>'C B' 1 ' '0'5C <: 'A<(;' 1C9' C;6 C9' '3 'C ' :@ :(C E' 'C' :((: '(9'(;:' 3: : C ' 9 B' C B;6 ('< (<DC(:B'(;:' D:C 6 : '(9'=:'CB' ?(:B' ;96 B'@9D? < :'C 9<FC <QC(<9 !9 Z + R'(;:' B<:99 : E'9!'C ' 9C :' 9!' ? CF6:' ' +WR' (;:'(:C(D: (' 9!' C ' C : '< ' ;' ?<(' ' +*R'(;:' F CB6C' :F :FC(<9=' C ' !C ' C ' ?9 <= :' 9!' (;:' ? 9=C=E'< !:@(:B'(;C('< '9!' (;9 :' < < F' < '(;:' CD:' 99D'A<';'9 ' < '@ 9 :'C((: BC @:' 9 ' C' ?: 9 ' A;9' < '!9 B' (9' ;C :'(;:' ? CF6: ' 8M ;: :'C :'(;:'9= :@(Y'CBB:B' 9 B' C B;6 (' M'(9'(;:'C((C< D: (' 9!'A;<@;'E96' : : F<: ' ;9 B'=o'B< :@(:B' 'CD' 6 :' ' ::B' 9(' B9' D9 :'(;C '< B<@C(:'(;C('< '9!' (;9 :' < < F' < '(;:' CD:' 99D'A<';'9 ' < '@ 9 :'C((: BC @:' 9 ' C' ?: 9 ' A;9' < '!9 B' (9' ;C :'(;:' ? CF6: ' 8M ;: :'C :'(;:'9= :@(Y'CBB:B' 9 B' C B;6 (' M'(9'(;:'C((C< D: (' 9!'A;<@;'E96' : : F<: ' ;9 B'=o'B< :@(:B' 'CD' 6 :' ' ::B' 9(' B9' D9 :'(;C '< B<@C(:'(;C('< '9!' (;9 :' < < F' < '(;:' ?C (' 9!' (;9 :' A;9D' <('< ' 96 ' : B:C 9 ' (9' =: :!<(' ?: [6C <9 'C B' F: '(: :C ' ;9 B'=:' ::B' ;C('(;:' ? < C@E'9!' A9D: ' !<;9C B'=C'B< (6 =:B'C ' <((:'C ' ?9 <= :' C B'9 E' =E' A9D: ' ' C B' ;C('(;:'@C (:'C B' : <:<9 '6 CF: ' 9!' (;:' ?:9? :' ;9 B' =C' (:C(:B' <(;'C ' @9 <B: C(<9 Y' '!C 'C '@< @6D (C @: 'K96 B'?: D<('(;: ' < :9(<9 'A: :' : : F:(<@C E' @C <:B' 96(' ' C F:' 6D=: '9!' 39 " D: (';9 ?<(C 'A: :' : :@(:B'C B' 3: : C' 3C(C@ :' 699::B:B' < ' <B69<@F'(;:' :CB: '9!' (;:' C(< :' 99D D C<(<: ' (9' : :@(' ;9 ?<(C ' 9'(;:'(:C(D: (' 9!' (;:<'@C (:'!: 9A

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9!' =: : 9 : @:' F9: ' A<(;96(' =< ' C@(< :' @9'9?: C(<9 ' C B' ED?C(;E '
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@9D?C < 9 ' A<(;' (;:' =: :!C@(<9 ' 9!' ;< ' K:C (;<: ' = 9(;: ' ' C B'
;< ' A<B9A ' C<' < =C< ' ;C ' :@: (E' F< : ' C=6 BC (' : <B: @:' 9!'
;: ' : E' F: : 96 ' C(6 :< ' ;:' < (' D<F;(' =:' A9 : ' (9' F :C('
: F(;' =6(' A:' @9 (: (' 96 : : ' =E' D: (<9 < F' 9D:' 9!' (;:'
< (<(6(<9 ' K;<@;' 9A:' (;:< ' :U< (: @:' (9' C <' =: : 9 : @:' A9'
9!' (;:' (; ::' ;9 ?<(C ' < ' 9D=CE' ;C :' =:: ' !96 B:B' =E' C < '
Z (;:' 3CDC' 29 ?<(C ' !9 ' K9D: ' C B' ;< B : ' C B' (;:' < '
5CD :(::' 5: ::=;9E' 29 ?<(C ' 9' (;:' C((: ' ;9 ?<(C ' A: :'
6= :V6: (E' C((C@;:B' C ' ?;(;C D<@' 29 ?<(C ' A;<@;' =:C ' (;:'
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= < (' C(' (;:' :U?: :' 9!' 1 ' (9D ::' 5CD :(::' 5: ::=;9E' ' C 9' (;:'
C<' 19(<=C<' 29 ?<(C ' C B' (;:' N CD ::' :(<(' C=9 C(9 E ' ;: :' < '
C 9' (;:' <= : ' = (:(<@' 29 ?<(C ' C((C@;:B' (9' (;:' CDC' 29 ?<(C '
=96(' : : ' B< ?: C <: ' < ' 9D=CE' C B' < :(:: ' < ' 9 (' (C(< '
6@;' C ' 1;9A ' C(CF;: < ' 6 C(' 9A C < ' 6 C ' SC C@;<' C B' 2E''
B: C=CB ' ;C :' =:: ' !96 B:B' C B' DC< (C< :B ' A;9 E' 9 ' ? < @<?C E '
A<(;' !6 B ' 6?? <:B' =E' (;:' A:C (;E' 9!' (;:' @9DD6 <(E ' ' D6@;''
::B:B' AC (' ;C ' < ' :@: (' E:C ' =:: ' 6?? <:B' =E' (;:' C E 6D' !9

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< F'C B'C'B9 C(<9 '9!' ' / ' ;C :' =:: ' F< : ' =E' (;:' = : '
!CD<E' ;: ' (;: :' <' C' E< F'< 29 ?<(C' !9 ' C <' !CD<<: '
<'(;:' 9 ('9!!' 29 =E' 9CB'C B'(;9 :'A;9';C :'C E' > 9A :BF:'9!'
(;:' 6?: (<(<9 ' A;<@;'@9 B:D 'A9D: '(9'?C '!9 (E'BCE 'C('C'@ <[
(<@C'?: <9B'9!'(;:<' <: '<'C'BC >'<' : (<C(:B' 99D'9 '(;:'F 96 B"
! 99 'CD<B ('DC E'< C <(C E' 6 96 B< F' D9 ('BC F: 96 '(9' <!: '
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! B69C(<9 C' (<(6(<9 ' (6(<9 ' ? 9 <B:B' =E' (;:' <=: C <(E' 9!
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C(< : ' 9!' B<C' (9' :@9F <Q:'(;:'=: :!<('9!'!:DC :':B6@C(<9 'C B'
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;C?99 <' : FC ::' 1 ' C9 9<' 6 B99 <' C B' 1 ' 6 :(<'
6 : AC <' CDC' K: :' CD9 F' (;9 :' A;9' !96 B:B' A;C(' <'
> 9A ' C' (;:' C <' 3<)' @;99 ' 9@<C(<9 ' (;96F;' (;:'
@;99 ':(C=<;:B'=E' (;C(' 9@<C(<9 ';CB' (9' :@96 (:'C' F99B'
B:C' 9!' 9??9 <(<9 ' <' <(' BCE' !9D' (;9 :' A;9' ? :CF:B' (;C(
9(;<F'=6(' D<:E' A96 B' : 6 ('!9D'(;:D'C' (;: :' 9;9 ' ;C :'
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(;:'D9B: C(:'!:: 'B:DC B:B R
. =:'!< (' C <' C 9 :(' AC ' D6@;'<' CB C @:' 9!' ;<' @96 (E"
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DC< (: C @:' 9!' (A: (E'(A9' @;99 ' <' 9D=CE' C B' ?<@<?C'
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! :':9!'@;C F: ' <'5CD :(::'5: ::=;9E' :('C?C ('!9 '(;:'?6 ?9 :'
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' W ,# OOO' AC ' CBB:B' =E' (;:' C <' 9;CE:('96('9!'(;:'!6 B '
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C 9 :'(A9'<' (<(6(<9 ':U<('!9 '(;:'?6 ?9 :'9!'(:C@:< F' (;:' C@ :B'
C F6CF:'C B' <(: C(6 :' '4: B' :; <' @;99'<'DC<(C<:B'!9D'
(;:'?9@::B'9!'C'!6 B'9!' :C E'C'$(C>;'9!' 6?:: ' A;<@;' AC ' C< :B'
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4: B' : (C' @;99'AC '!96 B:B'=E' 1 '5:: ::==9E' CBC=:9E.
.. E!C '(;:'C F: ('@;C <(C=:'9 FC <C(<9 '<' (;:' =9BE' > 9A ' C'
' ' ' J 6' (' 6 <' C 9;CE:(' '!9 D:'BCE
;:' C " C 9;CE:(' A;:'(;:'@9D D6 <(E';CB'E:('(9' :@:<:'
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<: :B' C' 9 ('9!' 9 <D< C ' C <FB<9(<9 '9 '<(C' D : D = : ' (; :' !9 D' 9!' ?6 < ; D : (' D 9 ('< ' !C 96 '=:< F' (; :' 9 :@(< :' B< @<? < :' 9!' (; :' <??: ' ; :' NC < ' ; C :' 9 F' < @:'96(F 9A ' (; C(' >< B' 9!' ?C(<' C 9; C 'F9 : D : (' C((B' 9A' (; :' =9BE' @9D D 9 E' > 9A ' C ' (; :' C @; CE :('< ' D 6@; ' = :((: ' :D ? 9E:B' C ' (6 (: : '9!' (; :' @; C <(C= :' !6 B '9!' (; :'@9D D 6 <(E ' ; :' !6 B'< ' 9D :(; < F' <>: ' **' C>; ' 9!' 6?: : 'C B' <('< ' D CB:' 6?' 9!'@9 (<=6(<9 '! 9D' =9(; ' (; :' <@; ' C B' D<BB :'@ C ' :?(<9 '9!'(; :'@9D D 6 <(E' D 9 (' : : E' NC <' 9!' C E' D :C ' @9 <B: '<(' C' ?<96 'B6(E' (9'@9 (<=6(:' ; < ' D <(:'(9'(; :' F: : C ' !6 B ' =9(; ' 9 ' 9@@C <9 '9!' ^9E' C B' D 96 < F ' (; :' B:C(; ' 9!' C' ! <: B' 9 ' : C(< : ' <(' < ' C' 9D D 9 ' (; < F' C D 9 F' (; : D' (9' F< :' < '@; C <(E' !9 '(; :' =: :!<('9!'(; :' 96 '9!' (; :' B:@:C :B ' ?<(:' 9!' E:C E' B< =6 : D : (' 9!' 9 : ' C' C>; ' 9!' 6?: : ' DCB:' =E' (; :' (6 (: : ' (; :' C @; CE :(' !6 B '=:< F' @9 (C (E' !: B' =E' 9 6 (C E' @9 (<=6(<9 '! 9D' 49 9C (<C '< ' : : '9 '(; :'< @ :C : ' ; :'(9(C '< [@9D :'B: < :B'< '9 :' E:C '! 9D'(; :'< : (D : ('9!'(; :'!6 B 'C B' @C ;' @9 (<=6(<9 '! 9D' (; :' C <' @9D D 6 <(E' AC ' @ 9 :' 6?9 ' C' C>; ' 9!' 6?: : 'C B' (; :' (9(C ' :Q?: B<(:' @CD :' (9' C=96(' 'P0 OOO' : E' < B<F: (' D : D=: '9!'(; :'@9D D 6 <(E' A ; : (; : '< ' 9D=CE' 9 ' : : A ; : : ' : : E' A<B9A' C B' 9 ?; C ' A ; 9' ; C ' 9' 9(; : 'D : C '9!' 6= < (: @: '< ' 6??9 (:B' ! 9D' (; : :' !6 B ' ; :' (6 (: : ' < V6< :' < (9' :C@; ' C?? <@C(<9 ' @C :!6 E' =: !9 :' (; :E' B:(: D< :' (9' A ; C(' :U(: (' : <: !' < ' :@: C E' < ' C' ?C (<@6 C ' @C :' 6 < F' (; :' 1 6>(CB' ; 9 <BCE ' A ; : '(; :' C < ' ; C :' (9' ?: B' 9D :' D 9 :E' ' @: :D 9 <C ' !9 ' (; :'' F99B' 9!' B: ?C (:B' 96 ' (; :' C @; CE :(' : B ' F<!(' 9!' @ 9(; : ' C B' D 9 :E' (9' (; :' ?99 ' < ' : : E' (9A 'C B' < CF :' 9!' 3 6 C (' C B' 9(; : ' ?C (' 9!' (; :' : <B: @E ' ; :' 2< B6 ' A ; 9' ; C :' :@: (E' =: : ' F :C(E' :U: @< :B' 9 : '(; :' :U:B' V6: (<9 ' 9!' (; :' @ :D C(<9 ' 9!' (; :< ' ?99 ' DCE' (C>:' C' 9(:' 9!' (; :'!C@(' (; C(' (; :' C < ' ; C :' C' !6 : C ' !6 B' CD 96 (< F' (9' ' * W* OOO' A ; <@; ' < ' : D ? 9E:B' < ' ?CE< F' (; : :U ?: :' 9!' @C E< F' (; :< ' B:CB ' 9!' A ; C(: : ' B:F : : ' (9' (; :' 9A: ' 9!' < : @: 3

:' 9!' (; :' < (<((<9 ' 6??9 (:B' =E' (; :' C @; CE :(' < ' (; :' C E D' ' ' C(' ; 9A ?C(< !9 ' (; :' D C< (: C @:' 9! ; : ? : ' (; 9 :' A ; 9' C :' 6 C= :' (9' 9=(C< 'C' < < F' 9 ' C@@96 (' 9!' 9 B' CF :' < !< D<(E' 9 ' B< :C :' ; :' =6< B< F' AC ' ? : : (:B' !9 ' (; :' ?6 ?9 :' =E' 1 ' 6 :(< 6 B99 < C :>; ' C B' <(' < ' : E' ? :C C (E' <(6C(:B' CD<B (' (: : 'C' <((: ' 6?' (; :' ;< ' C(' (; :' !99(' 9!' (; :' 9 F' ! <F; ('9!' (:? ' :CB< F' (9' (; :' 9A: ' 9!' < : @: ' C : ' 9!' :U(: D :' B: (<(6(<9 ' !< B' C E 6D' < ' (; < ' ? C@: ' ; : :' C :' 9 ; C ;' A9 >; 96 :' :F6 C(<9 ' 9' =CBF:' < ' A9 ' =E' (; : D' (9' DC >' (; :< ' (C(:' 9!' B:?: B: @: ' B< <B6C ' <=: (E' < ' C 9A :B' (9' (; :' !6 : (' :U(: (' ; :' D : ' C :' C(' <=: (E' (9' F9' C B' @9 D :

A ; : '(; :E' <>: ' (9' :' ! <: B ' C B' : : ' (9' (CE' A<(;' (; :D' !9 ' C' BCE' 9 ' (A 9 ' (; 96F ; ' C ' C' F: : C ' 6 : ' E' A :C>' C B' < !< D ' (; :E' B9' 9(' (CE' !C ' ! 9D' (; :< ' C=9B: ' ; :E' C : ' ;9A: : ' (9' 9= : :' 9 :' 6 : ' C B' (; C(' : E' (<@(E ' (; C(' ' 9' C@@96 (' A ; C(: : ' (; :E' ;9UBB' =: F' C <E< ' ! 9D' C!<E=9BE ' A ; : (; : ' C < 9 ' 6 AC B' + 9 '49 9C (<C ® ' ; :' = < B ' (; :' DC<D :B' C B' (; :' ; C (!6 < ;' C' DC ' ? 9?9 (<9 ' 9!' (; :' < DC(: ' (; :' = < B' =: :<6 . ' ?: D<([(: B' (9' ; C :' (; :< ' =9U: ' @9 (C< < F' C ' (; :< ' A9 B E' =: 9 F< F ' =E' (; :< ' =: B <B: ' ; : :' < ' C ' ; 9 9 C E' ? ; E <@<C '9!' (; :' C E 6D ' C B' (; :' :@ :(C E ' ;6 '6 ' \ CDC' 5< C :' 5CD :(:9' 19BE ' C((: B ' (; : :' : : E' 6 BCE' (9' :' (; C(' (; :' < DC(: ' C :' A : ' (C>: ' @C :' 9!' ; :' : C@6 C '?C?: 'C :' : ('(9' (; :D' F C(6<(96 E ' ' DC ' <= C E' @9 (C< ' 36 C C(<' A 9 > ' F< < F' (; :' :F: B ' < ' ; ED :' 9!' (; :' A9 B: [!6 ' :U? 9<('9!' ; : 9: '9!' C @<: (' C ^R' <' ('(; :' !99('9!' (; :' ; < ' C' ; 9 ('B< (C @ :' ! 9D' (; :' C=9 :' C E 6D ' < ' g' C' B ; C CD ; C C' !9 ' : <C ' C <) .' (E 6D' !9 ' CD C < ' F' DC< (C< :B' 9(' =E' (; :' C 9 ; CE :' (=6('! 9D' C' :?C C(:' !6 B ' K ; <@ ; ' CD96 ('(9' C=96('C' C> ; ' C B' C' ; C (9!' 6?: : ' ; :' =6< B< F' AC ' : :@(: B' =E' 1 ' :(: :' B: ; : : ' CBE :((' < ' (; :' E : C ' &O#*' C B' (; :' C@@9D D9BC(<9 ' ; C < F' ? 9 :B' < 6!!<@<: ('!9 '(; :' F 9A< F' 6D =: ' 9!' : D<F C (' ! 9D' (; :' C @<: (' !C(; : C B ' < ' 9AC : :' 5 : ; C F<: 'CBB :B' C' :?C C(:' A< F' (9' <('< &O%W' ; :' C 6C ' 6D =: ' 9!' (; 9 :' A ; 9' @ D:' ; : :' ! 9D' : <C' < ' C=96('C' ; 6 B :B' C B' !<!(E Z D: ' A9D: ' C B' @ ; < B : ' ; :' D : 'C :' C 9A :B' (9' (CE)<6' (; < ' B ; C CD ; C C' (< '(; :E' ; C :'!96 B' 9D :' : D ? 9E[D: ('A ; < :' 9' <D<('9!' (<D :' < ' !<U :B' !9 ' A9D : ' C B' @ ; <B : . ; :' C < ' 9!' 9D=CE' ; C :' :U(: B :B' (; :< ' @C :' C B' C((: (<9 '(9' (; :< ' 49 9C (<C ' = :(; : ' < ' : <C ; :' C < ' < ' : <C' ; :E' C :' D9 (E' (< : ' 9!' (; :' 9< ' C B' < :' < 'C' A :(@ ; :B' @9 B<(<9 ' ' 9@<C(<9 ' ; C ' 9 F' < @ :' =: : ' !96 B :B' A<(;' (; :' <: A' 9!' = : ((: < F' (; :' @9 B<(<9 '9!' (; :' C < ' C B' 9!' ! : :< F' (; : D' ! D' (; :' B< C=< <(<: ' 6 B: ' A ; <@ ; ' (; :E' C=96 ' ; :'):? : : (C(<9 ' DCB :' =E' (; :' C < ' < ' (; :< ' =: ; C !' (9' (; :' : [<C ' 39 : D: (' ; C :' (9' C' F :C(' :U(: (' ? 9 :B' 6@@: !6 ' C B' @ ; <: !' CD9 F' (; :' @9 @: <9 ' C(: E' ? 9@6 :B' < ' (; :' <DD6 <(E' ! 9D' (; :' ?9 '(CU' A ; <@ ; ' A :<F ; :B' ; :C < E' 6?9 ' (; :' : D C ('9!' (; :' @9 V6: :B' C@:' < ' : <C'' K ; < :' !9 (E' E :C ' CF9' (; :' (CB :' 9!' 9D=CE' ?C :B' @ ; <: ! E' (; 96F ; ' (; :' ; C B '9!' (; :' C < ' (; :E' ; C :' 9A' = : : ' C F: E' 6?: :B :B' =E' 1 :D9 ' C B' ; C((<C '< ' (; :' !< :B' 9!' @9D D : @ : ' ; :E' ; C : ' ; 9A: : ' !96 B' D :C ' !9 ' (; :' :U: @< :' 9!' (; :< ' (C : (' C B' : : FE' < ' 9(; : ' !< : B ' C B' (; :' < @9D :' B: < :B ! 9D' (; : :' 96 @: ' ; C ' : C= :B' (; :D' (9' ; 9 B' (; :< ' 9A ' C ' C' @9D D6 <(E' A<(;' (; :' <@; : (' :@(<9 '9!' (; :' 9(; : ' C@: '9!' B<C ' C B' (9' 6 (C< ' A<(;' @ :B<(' (; :< ' :?6(C(<9 ' !9 '@ ; C <(E H

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D9 FC(' (; :' 2< .!99 ' C' F99B' B: :B'<C' B9C :' 9(' 9' D6@ ; ' (; :' 96(" :9D j ' 9!' ; : : 9 : @: ' C ' ! 9D' C' : :' 9!' : <F<96 ' B6(E' ' (; :E' 6 (E' :FC B' @ ; C <(E' C ' (; :' ;<F ; : (' !? D' 9!' : <F<96 ' B6(E ' !' C' DC ' < ' <@ ;' C6B' ; C ' C E' @9 @: '!9 ' (; :' A : !C :' 9!' ; < 96 ' ; :' D6 (' ! : : B' (; :' ; 6 F E' C B' @ 9(; :' (; :' C> :B' ' ; :' D6 (' < >' A : '!9 ' (; :' (; < (E' ' : :@(' (: D ? : ' < ' ; 9 96 ' 9!' ; < ' !C 96 <(:' F9B ' ' C B' ? 9 <B :' <@ ;' : ?C (' !9 ' Z (; C(' ; C??E' @ C ' 9!' ; 6DC ' =: < F ' A ; 9' (9< ' 9(' :<(; : ' B9' (; :E' ?< ' K :C (; E' 2< B99 ' C :' ?C (<H' @6 C E' !9 B' 9!' : B9A< F' (: D ? : ' C ' D CE' C??: C ' ! 9D '(; :' 6D=: ' 9!') % &' 9!' C <96 ' B : F : : ' 9!' ? : B96 ' C B' V6C 9 ' (; C(' C :' (9' =:' : : ' ? < @<?C E' < ' ; : ; AC ' EB ; 9 <' C B' 16D=CB: <' K<(; ' (; :' CB C @ : D : (' 9!' : B6@C(<9 ' C B' 9!' K : (: ' 9(<9 ' 9!' : <F ; (: D : (' ; 9A : : '(; :' 2< B99 ' ; C :' =: F6 ' (9' :C ' (; C(' (; : :' C :' DC E' 9(; : '9= : @(' C ' A9 (; E' 9!' (; :' = : : 9 : @:' 9!' (; :' <@ ;' C ' (; 9 :' A ; <@ ;' ; C :'=: : ' ; <(; : (9' ; : B' < ' ; <F ; ' !C 96 ' =E' (; :' 9 (; 9B9U ' C B' <(' < ' (9' (; < ' ; :C (; E' < ! 6 : @:' (; C(' A :' @C ' (C@:' (; :' 9 <F< ' 9!' (; :' ; 9 ?<(C ' B< ?: C <: ' C B' @ ; 99 ' A ; <@ ;' ; C :' =: : ' !96 B : B' =E' 9D :' 9!' (; :< ' A :C (; E' D : D=: ' A<(; < ' (; :' ?C (' B : @CB : ' 9 ' (A9H' 9 <B : < F' (; :' D CF <(6B :' 9!' (; :' ?9? C(<9 E' C B' (; :' <@ ; : ' A ; <@ ;' ; C :' =: : ' CDC :B' =E' (; :' D : @C (< :' @ C : ' 9!' (; :' @9D D 6 <(E' 6@ ;' C ' ; C((<C ' C B' C6EC ' (; :' 6D=: ' 9!' (; : :' < (<(6(<9 ' < ' C(' ? : : (' : E' <D<(:B' =6(' (; :< ' :U< (: @:' < ' 6!< @<: (' (9' < B<@C(:' (; :' F 9A(; '9!' C' <=: C ' ?< <(' A ; <@ ;' < ' : <B : @:B' =E' (; :' A<B : ' @9?:' (; C(' < ' 9A' F< : ' (9' (; :< ' @ ; C <(E

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@C ' =:' (: ' (9' (;:' =: (' CB C (CF:
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;:' CB<:)' 3ED>;C C'9 '(;:' <BF:'1C C=C'2< ' <' C'!C 96 <(:' : : < F' : 9 (' CA '(: < ' C B'=CBD< (9 ' C :' ? CE:B' C B'C'!< :' <:A'9 :' C@>' CE'<'9=(C< C= :' ('<'(;:' D9 (' ? :C C ('? C@:' < ' 9D=CE'(9' ?: B'C ':: < F

' :A'9 ='!96 B:B'=E' C :: ' AC ' 9?: :B' 9 ' (;:' P(;' 56 E &OO,' ('<' CD:B'C!(: ' 9 B' <?9 ' C B' <' 9 ' (;:' ? < @<? :' 9!' F\ =' @ 6= ' ;:' : (C @:'!::'<' '&00'C B'(;:'D9 (;E' ='' 9 <?(<9 'S '#' ('<' <(6C(:B'9 9 :'(9'(;:' ?9 9' C B: 'A;: :'C'F99B' = ::Q:'<'F: : C E'C((C< C= :'C B'<' : E'(C (:!6 E'C B' : :FC (E' <!' 9(' 6UC <96 E'!<((:B' ?' 1 9 ('9!'(;:' B<C 'C B' (;:' ? < @<?C' 9 B9 '?C?: 'C :'?C@:B'9 ' (;:' (C= :' ;:: 'C :' (;::' =< <C B' (C= :'<'9 :'9!' (;:' 99D ' A;<@;' =CC' =:: ' !< :B' 6?' !9 ' (;C(' ?6 ?9 :' BD< <9 '<'=E' =C 9(' ;:' 29)!C :' <'5CDC:(::'5::'' =;9E' C ('3 '<'(;:' :<B: (' :<B: (<C' 99D ' ;C :' =:: ' ? 9 <B:B'!9 '6?'@96 (E' D:D=:

9(;:'@ ='::(C=<;:B'<' &OP,'<'(;C('!9 D:B' =E' D:D=: ' 9!' (;:' 9D=CE' 9 6 (::' (< :E' ;:' < (<(6(<9 '<' 9 :E'!9 ' (;:' ? 9D9(<9 '9!' 9@<C' < (: @96 :' C B' CD6 :D: (' CD9 F' < <<C ' A;9'C :' D:D=: ' 9!' (;:' C (< :E' ;:' CBD< <9 '!::'<' DC ' ' : (C @:' =:< F' =E' =C 9('=6('C';<F;:' !::'<'?CEC=:'=E' D:D=: ' A;9'B9' 9(' =: 9 F'(9'(;:' 9 6 (::' (< :E' ;:' 9 =' ;:' 99D ' :C'(;:' ?9 9' C B: ' (;:E' C :' ?C@<96 ' C B' !<((:B' 6?' A<(;' : :E'@9 : <: @:' ' CD?C ('9A' 9 '(;:' <(:' 9!' (;:Y' 9 B' :@ :(C <C(' (;:' D:D=: ' 9!' (;:' 3: DC ' @9D D6 <(E' 9A' :E' 6D: 96 ' ;C :' :(C=<;:B'C' <:B: > C Q' 9!'(;:<' 9A ' D9 F' 9(;:' @ 6= '<' 9D=CE' DCE' =:' D: (<9 :B' (;:' ;<?DC (: ' 6=' < ' ?;< (9 :' < @ :' 2< B6' \ <9 ' 6=' 3< FC6D' (;:' : <C ' =' (;:' 5C<' \ <9 ' 6=' EB;9 C:'C B' (;:' 9 D9?9 <(C ' 6=' 3< FC6D

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(JG 4 - " - . & E " ' ' " - N

C :' C 9' D 6@ <' : 9 (: B' (9' < ' (<:' : : < F' =E' (; :' 9 : ' 9!' F9 <?' C B' =< <C B ' ; :' @9 (' 9!' @9 :EC @:' < ' C' ; :C E' <(: D' 9!' :U?: ' B<(6 :' < ' 9< (=CE' ; :' TU: B' @; C F:' !9 'C' 9 :B<9 :' F; C E' < ' S 'T' C' BCE' C B' (; : :' < ' C 9' C' :F6 C(: B' @; C F:' !9 ' F; C <: '<!' ; < :B' !9 ' F< : ' B< (C @: ' CD ACE' !C : ' C :' : E' 9A' ' C B' <(' < ' ?9 <= :' (9' B9' C' F99B' B: C '9!' AC >< F' < '(;q$ N9 (' A<(; 96(' :U?9 < F' 9 : : !' (99' D 6@; ' < ' (; :' 6

; :' 9D=CE' CD ACE' AC ' 9 <F< C E' ? 9 :@(: B' < ' &OT,' =E' 1 : ' (: CD ' C B' S<((: BF: ' 9 ' ; :' 9D=CE' CD ACE ' 9< (' (9@>' ? < @<? : ' C B' C (<@ : 9!' CF : : D : (' = :(A : : ' (; :' 1 6 <@<?C <(E' C B' (; :' F C (: : ' A : :' B6 E' : (: :B' < (9' C B' :U:@6(: B' < ' N: = 6C E' &OT#' ' = (' <>:' DC E' 9(; : ' @; : D : ' < (: B: B' !9 ' (; :' <D? 9 :D : (' 9!' (; :' @<(E' ; (; C(' 9!' (; :' (CD ACE' ; CB' (9' =:' ; : :B ' 9A< F' (9' (; :' !< C @<C ' B<!!<@6 (<: ' A ; <@; ' ; CB' 9 : (C>: ' 9D=CE ' ' @(9=: ' &0%0' (; :' ? 9?9 C ' !9 ' C' ; 9 :' (CD ACE' AC ' : < :B' =E' 1 : ' (: C ' 29=C (' ' S ' A ; 9' 9!!: :B' (9' !9 D' C' @9D ?C E' A<(; ' 6!!<@<: (' @C?<(C ' (9' @C)E' 96(' (; :' 99 9: H' <9 ' DCB: ' (9' (; :D' < ' *0TT ' =6(' C ' <(' C??: C :B' (; C(' (; C(' CF : : D : (' ; CB' =: : ' : (: :B' < (9' =E' (; :' (; : ' 1 6 <@< C ' 9D D< <9 : ' % ' + ' (; :' A ; 9 :' V6: (<9 ' AC ' 6=D<((: B' (9' (; :' : @; ' 9!' 56 (<@: ' C' : :@(' @9D D<((: :' 9!' A ; <@; ' =9BE' :@9D D: B: B' (; C(' (CD ACE ' ; 96 B' =:' C<B' B9A ' C B' <!' ?9 <= : '=E' (; :' 1 6 <@<?C <(E' 1 : ' CA : @:' C B' 9 ' C B' 9 :' 9 '(A9' 9(; : '?: 9 ': (: :B' (; :' !<: B' C '@9D ?: (<(9 ' C B' 9!!: :B' (9' 6 B: (C>:' (; :' CE< F' C B' A9 >< F' 9!' (; :' M' (C@> ' 'H' =6(' C(' C' D : : (< F' 9!' (; :' 9 ?9 C(<9 ' ; : B' < ' ? < '&0%W' <(' AC ' B: @<B[:B' (9' CB : (< :' !9 '(: B: '< ' (; :' 9@C 'C B' 9 B9 ' ?C?: ' : [(6C E' (; :' (: B: '9!' (; :'9 <F< C ' ? 9?<9(: '9!' (; :' @; : DC' AC ' C@@: ?([:B ' C B' 9 ' (; :' T(;' 1 C @;' &0%0' C @(<9 ' AC ' F< : ' (9' C' @9 (C@(' A<(; ' 1 : ' (: C ' : B' S<((: BF: ' (; :' ? < @<?C ' @9 B<(<9 ' 9!' A ; <@; ' A : :' (; C(' (; :' CF : : D : (' ; C ' : DC< ' < ' !9 @: ' !9 '(A : (E'9 :' E: C ' ! 9D' &W(;' 1 C @;' &0%* ' C(' (; :' B' 9!' A ; <@; ' ?: <9B' (; :' 1 6 <@<[?C <(E' A< ' ; C :' (; :' <F ; (' 9!' ?6 @; C < F' (; :' A ; 9 :' @9 @: '9 ' ?CE[< F' (; :' F C (: : ' (; :' 'L ' C 6 : ' ? 6 ' @9D ?: C(<9 ' !9 ' F99B[A< ' C B' 9' !9UH(=' : V6C ' (9' (A : (E'9 :' E: C)' ?6 @; C : ' @C @6 C(: B' 9 ' (; :' C : CF : ' ? 9!<(' 9!' (; :' ? : <96 '(; : :' E: C ' ; :' CF : : D : (' AC ' : : A : B' =E' (; :' 1 6 <@<?C <(E' < ' &OP, ' N9 ' (; : :' C 6C= :' @9(<@: : <9 C' (; :' @9D ?C E' ?CE' C' : (C ' 9!' ' * 000' ?: ' D< :' !9 ' B96= : ' C B' ' W 000' !9 ' < F :' (C@> ' C B' C ' C(' (; :' ? : : (' (<D :' (; : :' C :' (: U: 6 < :' 9!' <B< F ' 9 : ' *T' D< : ' 9!' < :' + 9D : ' (D : (' AC ' ; < B ' 9!' A ; <@; ' C :' B96= :' ?: 9?: ' !9 ' (C!!<@' ' (; :' E: C E' : (' ?C<B' (9' (; :' 1 6 <@<?C <(E' < ' ' , W 000 ' ' CBB<(<9 ' (9' (; < ' (; :' @9D ?C E' A D@ ' @9 < (' 9!' C' ! : A' ? < C(:' < B< <B6C ' D9 (' 9!' A ; 9D' : <B: ' A9' =: <: @ < ' 5G: A' 9 > ' C :' =96 B' (9' DC< (C< ' C B' > : : ?' < ' : ?C< ' 9(

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2 ' 1 ' ' K ' N' N ' ' 1 *,#

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C(:'<' :C 9 ' C ' (;:' ?CBBE' !<: B ' B E' 6?' C B' C(' :C E' :\' (;:' C=9 :' ? C@: ' (;:' C F:' F :E' V6C<' @C ' =:' !96 B' <' 6D" .=: ' &00' @96? :' C' B.E' =E' 9 :' ?C (E' 9!' ?9 (D: ' =:< F' =E' ' D:C ' C ' 6 6 6C' =CF ' ;:' = C@>'= :C (:B' 9 ' C< ' V6C<' 9' @9D D9 '<' (;:' :@@C '<' : B9D'<!': : ' D:(' A<(;

' F99B' BCE) ' ?9 (' @C ' =:' 9=(C< :B' <' (;:' ;9(' :C 9 ' 9!' (;:' ?C< (:B' ?C (<BF:' K + +% 8 % N' :C ' C C' C B' CAC<' B' < ' @: (C< ' <@< <(<: ' 9!' (;:' :=C ' C>:' A;: :' (;:E' : : D' (9' B: <F;(' < ' F C E' ? C< ' C B' 9?: ' @96 (E' @C((: :B' 9 : ' A<(;' 9A' =6 ;: ' C B' < ' (;:' :C 9 ' C C' < ' C' 9@C <(E' 9(' (9' =:' B: ?< :B' 9 '!9 F9([(: ' =E' (;:' ?9 !:DC ' =: (' 9 ' <?< F ' C (;96F;' (;:' AC >< F' < ' !C ' ! 9D' ? :C C (' =:< F' (; 96F;' B::?' @=<:> : ' 9 ' = C@>' D6B ' 6 < F' (;:' @9 B' A:C(;: ' C 9' < CD: C= :' !<F;(' 9!' B6@>' C B' (:C ' < <(' (;:' ;9 : '9 ' (;:' 9??9 <(:' <B:' 9!' (=:' ;C =96 '9!' 9D=CE ' C B' !C< ' =CF ' C :' 9!' ! :V6: (' 9@@6 : @:' 6 :A' C :' D:(' A<(;' 6?' C ' (;:' @ ::> ' : ' < ' C 9' C' F99B' 9@C <(E' !9 ' ?C (<BF: ' C B' =C :

Y' / - / ' 9 ' 9 <(C E' <?:' < ' C<B' (9' ! :V6: (' (;: @AC 9? ' (;C(' 6 9 B' (;:' 2C =96 ' 9!' 9D=CE' ! =6(' A:' > 9A' 9!' 9 E' (A9' :<C=:' < (C @:' C B' (;:E' A: :' ;9(' C(' B<!!: : (' (<D: ' ;E' C' ?9 (DC ' 9!' 6 B96=(:B' C6(;9 <(E' 2 :' CE ' (;C(' (;:' =< B' < ' (D D< C>:C= : ' C B' > 9A ' C(' 9 @:' =E' (;:' D9 9 E C=<@' M =CB' =CB Y' ((: :(B' <D D :B<C(: E' <(' < ' B< (6 =:B ' 2 :' D9 :9 : ' @C :!6 E' (99>' (;:' A:<F;(' 9!' :C@;' =< B ' C B' !96 B' (;:<' : ?:@(< :' A:<F;(' < :' C B' < :' C B' C' ;C !' 96 @:' @' A;: :C ' C ' 9 B< C E' !6 ' <?:' C : E' <!' : : ' :U@: : B ' !96 ' 96 @: ' < ' A :<F;(' -

;:' ?< '(C< ' <?:' < ' C 9' (9' =:' D:(' A<(;' < ' C F:' 6D=: ' B6 < F' (;:' <?:' :C 9 ' C B' :U@:?(' (9' (;:' :U?: <: @:B' ?9 (DC ' 6 6C E' ' D< (C>: ' !9 ' (;:' !6 ' 9 ' @9D D9 ' <?:' / / ') ' (' @C ' :C < E' =:' B< (< F6< ;:B' ! 9D' (=:' @9D D9 ' <?:' =E' :UCD< < F' (;:' (C< ' !:C(;: '" (;:' @9D D9 ' 9 ' !6 ' <?: ' (C< ' @9 (C< < F' ! 9D' (A: :' (9' !96 (:: ' !:C(;: ' ' A;: :C ' (;:' ?< '(C< ' ?9 : : ' < ' :U@: ' 9!' (;9 :' !:C(;: ' : : C' DC : ' 9 : ' 9 ' :<(;: ' <B:' DC>< F' < ' (;:' A;9 :' ! 9D' (A: (E' (9' R # R ' '?< '(C< ' <?:' ;C ' D9 :9 : $

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B< :@(:B' C B' !96 B' (9' =:' 9!' =9(;' :U: ' (' < ' (;: :!9 :' =: <: :B' @9'
=:' C' B< (< @(' = ::B ' ;:' C@>' <?:' / / ')) &' < ' @9D D9 '
: : EA;: :' ' C 9' (;:' ?C< (:B' <?:

1 C E' C <:(<: ' 9!' B6@>' C B' A<BF:9 ' C ' A: ' C ' F9 B: ' ? 9 : '
C B?<?: ' :B' ;C > ' 9 '(<D= : ' C B' 9(;: ' :C' =< B ' C :' !96 B'
C(' (<D: ' < ' ;6 B :B ' !::B< F' 9 ' (;:' D6BBE' ! C(' < C B' ! 9D' (;:'
:C ' < ' (;:' ;C 9A ' @ ::> ' C B' ;: (: :B' :C@;:

E' F9< F' C=9 (' (A: :' ;9C)' 96 :E ' C '!C ' C ' (;:' C <CB' 9 '
1 :;D99BC=CB' (C <9 ' 9 ' (;:' ' ' C B' 0 ' ' C< ACE ' 9D:' 9!' (;:'
=: (' B< (<@(' < ' 36 : C(' DCE' =:' :C@;:B ' A;: :' < ' CBB<(<9 ' (9'
C E' V6C (<(<: ' 9!' K< B' !9A ' 9!' C ' >< B V C< ' C B' ?C (<BF:' C=96 B '
C B' A;: :' 9D:' ?9 (' DCE' =:' ;CB' A<(;' (;:' <! :' C(' ::<F=C< ' C (: 9?:'
9 ' FCQ: :

' (;:' D9 (; ' 9!' N:= 6C E ' C B' :C E' < ' 1 C @;' :U@: : (' V6C< '
=@9(< F' @C ' =:' =CB' CD9 F' (;:' F C< ' (6== : ' < ' (=:' =D:B 6FF9 '
C B' 99 C' B< (<@(' =6(' C(: ' (;C ' (;< ' C (;96F;' ;99(< F' 9!' 9D:'
>< B' 9 ' 9(;: ' DCE' =:' ?6 6:B' (; 96F;96(' (;:' E:C ' (;:' A:C(;: '
=:@9D: ' (99' ;9(' (9' : B: ' <(' :<(;: ' ? :C C (' 9 ' ? 6B: (' (9' @9 (< 6:' <(

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C!(: ' (;:' 9D=CE' ?9 (DC ' =:< F' : B9D' C= :' (9' B: 9(:' 9' D 9;'
C ' (: ' BCE ' 9 ' C' !9 (<F;(' !9 ' (;C(' ?6 ?9 :' ' =6(' <!' ;:' @C ' B9' 9 ' C B'
< ' !9 (6 C(:' : 96F;' (9' ?9 : ' C' F99B' ;<>C ::' (;: :' C :' DC E' ? C@: '
A9 (;' < <(< F' A;: :' CD= ' @;::(9 ' =C<> ::' ;9F ' B:: ' 9 ' ?< 99 <: '
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C B' = 96F;(' (9' =CF ' 1 9 (' 9!' (;:' 6 F : ' C :' !6 ' 9!' A< B' ?<F' +B99>C R'
C B' A< B' 9C(' @< :(' 9C(' C B' ?9 @6?< : ' C :' ! :V6: (E' ;9(

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< ' < B ' 9!' @96 :' =:((: ' C B' C' !C ' F :C(: ' C <:(E' 9!' ;99(< F' < ' (9'
=:' ;CB ' =6(' (;:' =: (' < !9 DC(<9 ' 9 ' (;: :' ?9< (' DCE' C ACE ' :'
;CB' =E' 9@C ' : V6< E' A;: : : ' C' ?9 (DC ' DCE' ;C??: ' !9 ' (=:'
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' (C F: ' < ' 9D=CE ' C B' 9 :' A;9' B9: ' 9(' > 9A' (;:' 9 9 B '
< F' ;99(< F'F 96 B ' A96 B' B9' A: ' (9' ? 9 <B:' ;<D : !' A<(;' '
;<>C ::' ;:E' C ' > 9A' (;:' C <96 ' 9@C <(<: ' C B' (;:E' C :' :C < E'
9=(C< C= :' C!(: ' (=:' D9 99 ' A;: ' (;:E' :C :' (;:< ' C(< :' B< (<9(C'
!9 ' 9D=CE' < ' V6: (' 9!' :D? 9ED: (' ;:< ' ?CE' < ' ! 9D' ' &#' (9'
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a ' ' N ' ' ' 1

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('< ' 9('(9'=:' 6??9 :B' ;9A: : ';C('(;96F;' DC E' 9!' (;:' 9 B' !: (< C ' C B' @6 (9D ' 9!' (;:' @96 (E' ;C :' 9 (' D6@;' 9!' (;:< ' C F6< C E' @;C C@(: ' (;:E' C :' 9(' (< '!6 '9!' < (: : ('(9' (;:' (C F: ' 1C E'9!'(;:' ?:9(C9 : 'A;<@;' DCE'=:'A<(: :B'< ' 9D=CE' C :' (< ' !!<9<: <E' @6 <96 ' C B' ?<@(6 : V6:' (9' C(< !E' 9DC (<@' (:D?: CD: ('C B' B9' @ :B<('(9' (;:' (9 <: ' =9 (' <: (C ' DCF$' <! 9: 9:' A;<@;'(;:' C=<C ' <F;('C B' >< B :B' A9 > ';C :'=:: ' (;:' D:C ' @< @ C(<9F' (; 96F=9 (' (;:' A9 B' ;:' =:C6(E' :i

C' 9D=CE' : AC : : ' A=: ' C(< 9' D : @ ; C (' @96 (' 6?' (=:< ' FC< '
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(; :' @9D< F' E : C ' (; :' !C 96 '9!' C>:=D<' (; :' F9BB: ' 9!' <F; (' 1 !@'
A : C (; ' <C (< ' : DC >C= :' ! (; :' !: (< C ' > 9A ' (9' F < ; D : ' C '
999C 6(' CE ' A ; : ' < ' (; :' =: <:!' (; C(' (; :' C< E' : C 9 ' < '9 : ' C B'
(CB< F' @ C!(' DCE' : (6 :' 9 ' (; :' :C' A<(;' C! : (E ' (; 96 C B ' 9!'
2 < B99 ' B : : B' < ' : : E' ; 6 :' 9!' @9 96 ' (99?' B9A ' (9' (; :' ; 9 : '
C B' (; 9A' (; :< '9!!: < F ' 9!' ! 6<(' C B' ! 9A : ' (9' (; :' AC : ' (; C(' (: C '
' 6?9 ' (; :' =: C@; ' < ' (< ' 6!!<@<: (' (9' C(< !E' (; :' : (; 6 <C D' 9!'
9 : ' 9!' (; :' (C F :' C B' ?<@(6 : V6 :' ' (; :' BCE '9!' (; :' 2 9; D '
A ; : ' =C B ' 9!' 99 : :' 1 C ; 9D : BC ' @C E' (; 96F ;' (; :' (: : ('
(< : : B' <D<(C(<9 ' 9!' (9D= ' +@C : B' (C=99(₹' C B' 9(; : ' : D= : D '
9 !' (; :' B : C(; ' 9!' 2 99 C(' C B' 2C C< .' A ; 9 :' CD : ' C :' ; <:>: B'
96(' =E' (; :' : @<(: B' ?: 9? :' C ' (; : E' BC @:' C B' : C?' C 9 F' (9' (; :'
C@@9D?C <D : (' 9!' B 6D ' C B' ; < ' ?<?: ' C B' A =: ' (; :' : @(' 9!'
2 C ; 9D : BC ' A ; 9' : FC B' (; :' B : C(; ' 9!' 2 99 C< ' C B' 2C C< ' C ' C'
F : C(' @C CD<(E ' < (: CB' 9!' C' 6= : @(' 9!' D< (; ' <: : (' < ' (; : <' (: D ? : '
!< B' =: C(' (; : < ' = : C (' 6 (<' (; :' = 99B' ?< (' !9 (; ' C(' : : E' = 9A'
.C B AC<' A<(;' F <: !' C ' (; : <' ? <: (' : CB' (; : D' (; :' (9 E' 9!' (; :'
C C < C(<9 ' 9!' (; :' = 9(; : Z (; : :' BCE ' 9!' (C F : ' C=C B9 D : ('
(9' D96 < F' 9 ' 9 :' <B :' C B' ; < C <96 ' : 9<@< F' 9 ' (; :' 9(=: . ' C :'
(\ ' !6 '9!' C' 9DC @ :' A ; <@; '! : A' ! : (< C ' < ' (; :' A9 B' @C ' C?? 9C@; '
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D96 (C< ' (; :' !9 D : ' (; <@> E' (6BB : B' A<(;' C< ' C B' DC (' C?B' (; :'
C((: '@ 9A : B' A<(; ' ! : C(; : E' ?C D ' (=C!' ; 99(' C 9!(' < (9 ' (; :' @ : C '
CQ6 :' 9!' C ' B<C ' 6D D :) ' BCE ' !9 D' CBD< C= :' CB 6 @(' (9' FC(; : [
< F ' 9!' C(< : '@ CB' < ' (; :' = <F ; (' @9 (6D : ' (; C(' =: 9 F' (9' 2 < B99 '
2 C=9D : BC6 ' C B' NC C : : ' ! ' (; : : !9 : ' (; :' (C F : ' A ; 9' @9D : ' (9'
(; < ' @<(E' < ' !9 (6 C(: ' : 96F ;' (9' : :' 9D :' 9!' (; :' ? < @<?C ' !: (< C '
= :' A< ' ; C :' 9' : C 9 ' (9' : F : (' (; C(' (; :' < ! 6 : @ :' 9!' <(< ;' 6 :'
<<C ' A : ?(' CACE' DC E' 9!' (; :' <@: (<96 ' C B' =C =C 96 ' @ ; C C@(: < (<@ '
(; C(' 6 : B' (9' C@@9D ?C E' C' F : C(' ; 9 <BCE' < ' (; < ' : <B: @EH

; :' :(ED9 9FE' 9!' :AC : :' < ' C<B' (9' =:' <?C' +C' CD?R' C B' 6
' ' ' +C ' 9AR ' N9 D: E' <(' 6 :B' (9' =:
:AC : :' 29 <BCE ' @: := C(:B' =E' ;6DC ' C9 @: ' (9
<9AC : : ' (; :' ?C(9 ' B:<(E' 9!' (; :' ;6F ' ' =6(' C((: E' (; :' F9BB: '
9!' K :C (; ' C; ; D : : ' ;C ' =:@9D :' (; :' ? < @<?C ' B:<(E' A9 ;<??:B'
B6 < F' (; :' !: (< C ' ; :' :AC : :' F: : C E' C (' !< :' BCE ' < '
@(9=: ' 9 ' 9 :D=: ' C B' (; :' C(< : ' : D? 9E' (; < ' ?: <9B' < ' CB 6 ([
< F' (; :< ' C@@96 (' C B' @ :C < F' (; :< ' ;96 :

; :' BC(:' 9!' (; < '!: (< C ' C <: ' =6(' <(' F: : C E' (C>: ' ? C@:' C=96('
9@9C66(' CE (; :' : B' 9!' 6F6 (' ; :' @: : D9 E' 9!'
(; 9A< F' 9!!: < F ' (9' (; :' :C' (C>: '
? C@:' C(' 1 9BE' CE ' A ; <@; ' < ' 9 ' (; :' ; C =96 ' <B:' 9!' (; :' < C B ' C B'
9D :(<D : ' 9 ' C@>' CE Z (; C(' 9 : E' @ : @: (' 9!' AC(: ' A ; <@; ' <: '
9 ' (; :' A: (: ' <B:' 9!' (; :' @<(E ' C B' =:(A : : ' (; :' <? ' 9!' C B' > 9A '
C ' 1 C C=C ' 2 < ' C B' 9 C=C

2 : :' (; :' C ; D< ' ? CE ' C' ? CE: ' (; :' =6 B: ' 9!' A ; <@; ' < ' (; C('
(; :' D9 99 ' =:< F' A : ' 9 : ' 39B' A< ' =:' ? :C :B' (9' >: : ?' (; :' :C'
V6<:(' 9' (; C(' ; <? ' DCE' D9 :' C 9 F' <(' < ' C!: (E ' ; :' ? CE: '
' :?: C(:B ' (S :' @: := C (' (; 9A ' < (9' (; :' :C' 9D :' ; 9 E' AC(: '
A ; <@; ' (; :' C ; D< ' ; C ' ?96 :B' < (9' (; :' ; 9 9A' 9!' ; < ' ; C B' ! 9D'
C' ' (; : ' 9D :' :B' ?C< (' C 9' F< : ' =E' (; :' C ; D< ' ò (; : ' (; :'
! 9A : ' (; : ' 9D :' <@: ' C B' C (' 9!' C ' (; :' @999C 6(Z (; : :' =:< F'
: D= : D ' 9!' (; :' ? 9B6@:' 9!' (; :' C B ' C B' C ' 6@; ' =: (' !<((:B' !9 '
? : : (C(<9 ' (9' (; :' B :<(E ' ; :' C ; D< ' (; : ' BC6= ' ; < ' !< F: ' < '
C' B< ; ' (; C(' 99> ' <>:' C' 96F :' ? C(:' C B' DC>: ' C' M ?99 C ; ' DC >. '
9 ' ; < ' B< @<? :) ' = 9A ' C B' (; :' @: : D9 E' < ' C(' C ' : B ' ; :' @9@9C"
6(' <!' (; :E' A : :' 9(' (C>: ' 96(' ! 9D' (; :' :C' CFC< ' =E' @C :!6 '
A9 ; <??: ' C :' @ CD= :B' !9 ' A<(; ' D6@; ' Q:C ' =E' C>:B' @99 <: '
A ; 9' 9 6:(<D: ' A<D' 96(' C' <((:' B< (C @:' C B' (; : :' < <(:' (; :'
B: 9(: : ' (9' (; 9A' <?' (; :< ' 9!!: < F ' C B' 6 (' : :' ; 9A' (; :E' A96 B'
(CFF :' !9 ' (; : D ' ; :' @99 <: ' C!(: AC B ' :' : ' (; :' 6(' A ; <@; '
CFC< ' C :' 9 B' C(' C' :B6@:B' C(:' (9' (; 9 :' A ; 9' ; CB' 9' @999C 6('
9!' (; :< ' 9A ' C B' (; 6 ' (; :' :C' B:<(E' < ' 9==:B' 9!' C' 6D=: ' L$
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.S < ; C' =:C ' 9D :' <F ; (' <>: : '
2 : 9B) ' C((: D ?(' (9' DC C (9'
(; :' 9@: (' T ' (9' (; :' D E(; 9 9F<@C '
(C :' 9!' C(6 ' C B' (; :' :C 9 ' !9 ' ; < ' =:< F' 9' !9 B' 9!' ; <
9A ' @ ; < B : ' <' (; C(' SC ' (; :' >< F' 9!' 1C(; 6 C' =:< F
(9 B' =E' C' ? 9?; :(' (; C(' C' @ ; < B' 9!' ; < ' < (: ' : C>: :' A96 B
>< ' ; <D ' : 9 :B' (9' D6 B: ' C ' ; : ' @ ; < B : ' SC C' C@@9 B< F E'
>< :B' <U' 9!' ; : ' @ ; < B : ' ' (; :' : : (;' AC ' DCB:' CACE' A<(;' =E'
9D :' B< < :' < (: ?9 <(<9 ' =6(' ; :' ; CB' C ' :<F ; (; ' ; 9A : :
A ; 9' AC ' 9' : ' (; C ' S < ; C ' C B' ; :' C :B' ; < ' <!: ' =E'
:D 9 < F' ; <D' (9' 399 ' A ; : :' ; :' AC ' = 96F ; (' 9?' B: ' (; :' @C :' 9!'
C' @9A ; : B ' ' !' @9C : ' (; :' B6 :' B CDC(<@' :!!:@(' 9!' (; :' ? 9?; :@E' (99>'
? C@: ' C B' (; :' F9B' :A' ; < ' A<@>:B' C @ : ' S < ; C' < ' (; < ' < @C C[
(<9 ' =:@CD :' C' F :C(' CBD< : ' 9!' (; :' CB< : ' ; C < F' C ' DC E' C ' &T 000'
A< : ' =C(' <(' DC (' =:' :D :D=: :B' (; C(' < ' ; < ' ? : <9 'C C(C =<?' < '
CB ; ' =:' 9 C?6 96 E' C((C@ ; :B' ; <D : !' (9' =6(' 9 :' D< (: ' 9!' ; < '
96 Ÿ' K ; : (; : ' 9 ' 9(' <(' =:' !9 ' (=:' :C 9 ' 9!' ; < ' F :C(' CBD< C(<9 '
9!' A9D : ' ?:@<C E' D< >DC<B ' (; C(' (; :' 2< B99 ' :FC B' (; < ' < @C [
C(<9 ' C ' 9 :' 9!' S < ; C) ' F :C(: (' A :' C :' 6 C= :' (9' CE ' =C('
6 B96=(:B E' (; :E' C :' : E' ? 96B' 9!' ; <D' !9 ' ; < ' ?: !9 DC @: ' < ' ; < '
:<F ; (; ' C??:C C @ :' 9 ' (; :' (: : (<C ' (CF: ' ' <F ; (' +(; :' <F ; (' 9 '
A ; <@ ; ' S < ; C' AC ' 6??9 :B' (9' =:' :D 9 :B' (9' 3996 ‰ A9 ; <??< F'
(; :' <DCF:' 9!' (; :' F9B' C B' :@<(< F' (; :' ; C (C ' (; :' D : ' ?: B' < '
(=:' (: D ? : ' ; :' :U(' D9< ' < F' BC @ :' < ' (; :' (: :(' 9D :' @ < >< F'
@ED=C ' C B' : : C ' DC >< F' C' 9< :' A<(;' = C E' B 6D ' :' DC '
6??9 :B' (9' =:' < ?< :B ' (C>: ' C' A ; <?' C B' CE ' C=96(' ; <D' < ' '+ #&'
D< @: C6 :96C' !C ; <9 ' ' <!' C' 2< B99' 6D ?: B' =:!9 :' ; <D ' @ C ; < F'
@ED=C ' 9 : ' ; < ' ; :CB ' =:' < ' ? :((E' @: (C< ' (9' (; 9 F' (; C(' :U@<(:B'
A9 ; <??: ' C B' (; : ' ; :' < ' 6 (' C ' <>: E' C ' 9(' (9' (6 ' 96 B' C B'
CE' (; :' C ; ' 9 : ' (; :' C>:B' ; 96 B: ' 9!' 9D :=9BE' :C?< F' =: ; < B'
; <D ' 9 :' 9!' (; :' !: 9A ' A ; 9' C :' C =:B' : :D' (9' (C>: ' (; :' A ; <?"
?:) ' C((: (<9 ' C(' C ' CD< ' <!' C E(; < F' (; :E' C??:C ' (9' <>: ' <('
=6(' < ' (6(; ' (; :' A ; <?' < ' 9(' C<B' 9 ' : E' : : : E ' N9 D : E' (; :'
A9 ; <?' 9!' S < ; C' B6 < F' (; :' D<B <F ; (' AC(@ ; : ' C B' (; :' 6= :"
V6 :6(' C ; < F' A<(; ' A ; <? ' 6 :B' (9' =:' @9D D9 ' CD9 F)= C ; D < '
6 ==99 ' C B' 9(; : ' F99B' @C (: ' =6(' C((: E' (; :' @: := C(<9 ' 9!' (; : :'
@: :D 9 <: ' =CC' =: : ' ?: !9 D :B' 9 ; <: BE' =E' (=:' 9A : ' 9 C !<:C' !' (; :'
2< B99' 9?6 C(<9

< :? : :6(C(<9 ' 9!' (=:' ?C!@=:(<9' (9 E' 9!' 2 99 :<C) ' DC (E B9D' 9 ' (;:' ?;« ' 9!' S: =: C ' ;:' ?:9? :' C :D= :' (9' A<(: ' (;< ' <: (C ' ?C [<9 ' ? CE' < ' FC' S ;C=) ' 5CDC(>;C C ' <DD : :' :@(C F6 C ' @96 ([EC B' : @ 9 :B' =E' =6< B< F ' A ;<@;' ;C :' C' FC : E ' 9?: ' (9AC B ' (;:' @96 (EC B ' 6 < F' 96 B' (;:' 6??: ' ! 99 ' :(A : : ' (;:' ? < @<?C ' FC(:' C B' (;:' 996 (EC<)B' < ' C' ;C ' < ' A ;<@;' :C(' C :' ? C@:B' !9 ' (;:' @;<:!' 1 6 6 DC ' F6: (' C B' C' ?9 (<9 ' 9!' (;< ' ?C@:' < ' : : :B' !9 ' 6 9?:C ' A ;9' D 6 (: ' ? :((E' 6D: 96 E ' (;96F;' C' !:A' E:C ' CF9' (;: :' A: :' ;C B E' ;C !'C'B9Q: ' 6 9?:C ' < ' 9D=CE' A ;9' > :A' (;C(' (;: :' AC ' C E(;< F' (9' :' B6 < F' (;:' 1 9;6 6D' :U@:?(' A ;C(' AC ' @9 (:D?(696 E' @C :B' (;:' H 29= 9 '59= 9 HH' =6 < : ' 9!' B<??< F' (;:' (C=99(' ' DC ' ?C@:' < ' (;:' @96 (EC B' :C ' (;:' : (C @:' ;C ' < ' >:?(' @ :C ' !9 ' (;:' ?: !9 D : ' C B' (;:' : (' 9@@6?<:B' =E' (;96 C B ' 9!' 1 6 6 DC ' A ;9' V6C(' C 9 F <B:' 9!' 9 :' C 9(;: ' C ' @ 9 : E' C ' ?9 <= : ' A ;< :' (;:' FC : <: ' C :' @ 9AB:B' A<(;' A9D: ' C B' @;< B : ' C ' (;<@>' C ' =: : ' < ' C' ;< : ' D99 C;' :C(:B' 9 ' C' C< :B' =: @;' < ' (;:' ;C ' >:?(' :@<(< F' : :' (9' >: :?' 6?' (;:' < (: : (' 9!' (;:' ?:9? :' < ' (;:' ? @' @: :B< F ' ! :A' : ?9 : ' C :' DCB: ' = (' (;:' F :C(' @ 9AB' < ' (;:' @96 (EC B' @;C((: :B' CACE' C=96(' (;< F ' < ' F: : C ' D 6@;' C!(: ' (=:' !C ;<9 ' 9!' C ' C6B<: @:' < ' C' (;:C(:' =:!9 :' (;:' @6 (C< ' < ' B CA ' ?' K ;: ' (;:' FC' 99><' F' : E' < ' @CD:' < ' ;:' AC ' @9 B6@(:B' (9' C' @;C< ' ;:' :? : : (C(< :' 9!' 2 99 C< ' 6 6C E' C' A: '!C 96 :B ' = C@>'=:C B[:B' DC ' A :C < F' C' F : : ' (6 =C ' C B' C' BC >' C=' 9=: ' (C>: ' ; ' ? C@: ' A<(;' =< ' (C BC B' ? C (:B' =E' ;< ' <B: ' 9 ' C' <F;(E' C< :B' BC< ' 2< ' !CD< E ' @9 < (< F' 9!' (A 9' A9D: Z A;9' C(:' :[? : : (:B' 9!' 96 :' =E' D: Z C B' : : C ' @;< B : ' C :' C CE:B' 9 ' C' <D< C ' BC< ' 9??9 <(:' (9' ;<D ' C B' 9 ' ;< ' <F;(' C' (;< B' DC ' ? C(!9 D' 9 ' A ;<@;' CE' C' A96 B:B' AC H<9 ' (;:' ;6 =C B' 9!' 9 :' 9!' ;< ' < (: ' 3<==9 ' < ' (;:' CBD< C= :' C@@96 (' ;:' F< : ' !9 [9A< F' 9> CE ' 9!' (;:' B:C(;' 9!' 2 99 :< ' DC>(' 9' D: (<9 ' 9!' C' A<!:' 9!' 2 99 :< ' C ' =:< F' ? : : (' C(' S: =: C ' =6(' ?:C> ' 9!' ;< ' < [(: ' 9 :' 9!' A ;9D' AC ' CD :B' NC(<DC' ' (;:' ? CE ' A ;<@;' !9 9A ' : E' @ 9 : E' (;:' ;< (9 <@C ' C@@96 (' 9!' (;:' DC (E B9D ' (;96F;' <(' < ' ?C B9 C= E' :D=: < ;:B' A<(;' C' !:A' 9!' (;9 :' D< C@6 96 ' < 9<B:9(C' A ;<@;' C H99D D9 ' (9' C ' : <F<9 ' (;:' @;<:!' @;C C@(: ' C :' 2 99 :< ' C B' =< ' < (: ' NC(<DC ' ;:' ;< (9 <@C ' C F6D: (' DCE' =:' (;6 ' 6D[D:B' 6?' ;:' :C E' B<!!: : @: ' A .;<@;' = 9>:' 6?' CD' < (9' (A9' F :C(' :@(' =CB' (=:< ' 9 <F< ' :C E' < ' C' !CD< E' ! 6B' C(;: ' (;C ' C' B< ?6(:' C=96(' : <F<96 ' B9FDC ' 1 :CA<EC;' (;:' !< (' 9!' (=:' C" D :<CB' C <?; ' 9!' CDC @6 ' @CD :' 9!' (;:' CD :' (9@>' CC.' 1 C;9D :(' = (' =: 9 F :B' (9' (;C(' = C @;' @!' (;:' !CD< E' A ;<@;' ?:< :)@6(:B' (;:' 9?;:(' : : (: E' !9 ' DC E' E :C ' (< ' ? 6B: @:' @9D?: :B' <(' (9' ? 9!: ' <(' C@@:?(C @:' 9!' (;:' !C<(;' 9!' CD ' : :C(;' (;<

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? 9!: <9 '9!' !C<(=' ;9A: : .' AC '@9 @:C>B' C ' 6 BE< F' ;C(:B' 9!' (; :' !CD< E' 9!' 1C ;9D:(' A ;<@;' 19CA< .C;' B< ? CE:B'< ' ;< ' AC 'A; ;' < +(; :' ;6 =C B' 9!' (; :' 9?; :() ' BC6F;(: R' A;9D' ; :' !< C E' C V6< ; :B ' C B' A ;<@;' ;< ' 9 ' :Q<B' :@:< :B' C ' C' ?C (' 9!' =<!!' ; : <(CF: ' C B' F C(<B:B' =E' (; :' B: (6@(<9 '9!' <)' 9 '299 :< ' C B' 2C :< ' 299 :<) ' C((: D ?(' (9' A : (' (; :' C <?; C(:' ! 9D' :Q<B' AC ' C' : E' !: : = :'9 :' !9 ' (; :' C=' 9= : ' : : D' (9' ;C :' <B:B' C D9 (' (9' C' DC ' A<(;' (; :' D(:<CB: ' 2< ' (99? ' B: : (:B' ;<D' (< ' ; :' !96 B' ;<D : ! ' A<(;' 9 E' (; < (E (A9' ;9 :' C B' !9 (E' !99(' 6 96 B:B' =E' (; :' : : DE' 9 ' (; :' ? C< ' 9!' S: =: C ' (9' (; :' A: (' 9!' ;<6?; C(: ' 3<==9 ' A ;9 :' C@9@6 (' A :' !9 9A ' CE ' (; C(' 29@ :< ' 6DD9 :B' (9' E<: B' 9 ' B<: ' :? <:B' ' M' 9' E96' (; < >' (9' (: <!E' D :' A<(;' B:C(; 2 :' @; :@>:B' (; :' CD: (C(<9 '9!' 5<< ' < (: ' NC(<DC ' A ;9' B:? 9 :B' (; :' <D ?: B< F' 6< '9!' ; < ' ;9D:' HH 9 ' (6 (Y' C<B' 299 :< HH' < ' < ' 39B' C 9 :' ' (; < F ' =9(; ' < ' ; :C : ' C B' < ' :C (; ' D6 (' :(6 ' (9' (' :< ' :C(9 ' 1E' = 9(; : ' DE' !C(; : ' DE' D9(; : ' A: :' =:((: ' (; C ' (6?' C B' : : E' 1 6 6 DC ' ; C ' C ' :UCD ? :' < ' (; :' ? 9?; : (Y' ((C@>:B' =E' (; :' : : DE' C ' ;< '@9D ?C <9 ' A: :' 99 '>< :B ' C B' !< C E' 299 :< ' C 9 :' HH AC ' C< ' A<(;' (; : :' C B' (; < (E' (9>: ' 9!' C @: ' : B' ! 9<B Y' < ' ; :CB' AC ' @C <:B' (9' (; :' E <C ' 3: : C ' A ; 9' (6@>' <(' 9 ' (; :' D96(; ' A<(; ' C' (<@>' HH C ' :U@ C<D :B' C6' CF:B' 1 6 9 DC ' HH 9 ' (; : :' <? ' ; C :' ' : : ' (; :' <? ' 9!' (; :' C?9 (:' 9!' 39B Y' :Q<B ' ; 9A: : ' =: ; C :B' F: : 96 E' (9' 2 99 :<) ' !CD< E ' A ; 9' A: :' : (' (9' < :'< ' ?:C@:' C(' 1 :B< C ; :' ? CE' 9?: ' A<(;' (; :' C??:C C @:' < ' (; :' (; :C(:' 9!' C' E <C ' 9! @: ' A<(;' C' ?C (E' 9!' 9 B<: ' A ; 9' @C '9 ' 299 :< ' (9' 6 : B: ' 299 :< ' :? <: '< ' ? 96B' (: D ' ;< ' ?C (' =:< F' A <((: ' C??C : (E' <>:' (; C(' 9!' G; :' 9(; ; ' ?: !9<D : '< ' : : ' A ;<@;' ; :' :@<(: ' 9 ' B:@ C<D ' ;9 B< F' (; :' A <((: ' A9 B ' < ' ;< ' ;C B' =6(' 6 < F' D6@;' : : FE' 9!' C@(' 9 ' C B' D9B6 C(< F' ; < ' 9<@:' A<(;' C' B CD C(<@' !9 @:' (; C(<D? : :' : : ' ;:C : ' A ; 9' C @' <F 9 C (' 9!' (; :' C F6CF: ' ' =:' ? 9@::B ' (; :' ; 6==6=' CD 9 F (' (; :' C6B<: @:' < ' F CB6C E' ;6 ; :B ' C B' A ; : ' C!(: ' ; :' ; C ' B:@ C :B' (; C(' ; :' A< ' F9' 96(' (9' =C((:' C B' ; < ' < (: ' 6 ; < F' C@ 9 ' (; :' (; :C(:' : (:C(' ; <D' (9' (CE ' C B ' (; 9A[< F' B6 (' 9 ' ; : ' ; :CB ' ? 9?; : <: ' ; <' B:C(;' C B' (; :' < ' 9!' (; :' !CD< E ' C ' :E: ' C B' (; 96F; (' C :' < (: (' 9 ' (; :' C@(9 ' 299 :< ' :?:C(:B E' : D= C@: ' NC(<DC ' C B ' A<(;' 6 ;C>: ' !< D : ' :<(: C(: ' (; C(' ; :' D6 (' F9' !9 (; ' (9' !<F ; (' ' C B' (; :' F :C(' C :D= E ' AC(@; < F' :CF: E' C ' <(' A96 B' : : D ' !9 ' 9D8:' <F ' 9!' 6 =: B<(F' 9 ' ;<F' ?C (' =:@9D :' D9 :' C B' D9 :' :U@<(:B' : : E' D9D: (' (< ' C(C (' C ' ; ' =<B ' ;< ' < (: ' !C :A: ' (; :' F: : C ' : D9(<9 '!< B ' : <:!' < ' @9 6 [< :' 9= ' C B' (:C ' A ;<@;' C :' (; :H D9 :' C!!:@(< F' =:@C6 :' (; :E' C :' 9' 9= <96 E' F: 6< :' C B' ;C :' 9(; < F' < '@9D D9 ' A<(;' (!C:! (<9' F <:!' 9!' (; :' ? 9!: <9 C ' D96 : ' C(' (; < ' !: (< C ' ('< ' C' (C F:

: : :C(<9 ' (9' 99>' 96 B' 9 ' C ' <D D :6 C' @ 9A B' 9!' =:C B:B' D: <'
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9 ' C B' D 96 (' ; < ' ; 9 : ' (; :' AC< < F' =6 (' !9 (;' C! : ; ' ; :' D 9 ('
C!! : @(< F' @: :' 9!' C ' !9 9A ' A ; : ' ; <' !C 96 <(:' BC 6 F ; (: ' (; 9A '
 ; : : ! ' < ' ! 9 (' 9!' (; :' ; 9 :) ' ! : : (' (9' @9 D ? : ' ; : ' !C(; : ' (9' (CE '
 2 99 :< ' C <F ; (' C B' @ C ? ' (; :' F< ' < ' =< ' C D ' ?C <9 C(: E' : D [
= C@< F' ; : ' C B' =: AC< < F' ; < ' !C(: ' C B' C(' (; < ' ?9< (' (; :' F <: !'
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(96@ ; < F' DC : ' ' C B' (; :' C@(9 ' : (: :B' 9' !6 E' < (9' (; :'
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 ?: @(C(9 ' 2 99 :< ' 9A' D96 (' ; < ' ; 9 :' !9 ' (; :' : @9 B' (<D : '
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C' ; CA ' C B' A ; 9' ; C ' =: : ' : (' =E' 1 C ; 9 D : (' (9' AC ' (; :' ? 9? ; : ( ) '
B: @: BC (' 9!' (; :' < 6 :' 9!' (; :' @9 D = C(' (9' A ; <@ ; ' =:' < ' ; C (: < F '
2'99 :< ' :C(: B' 9 ' ; 9 :=C@>' @ ; C (' C 9 F' C B' : <B: (E' ?< <(: B'
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A ; <@ ; ' < ' !9 D : B' 9!' ; 9 : ' =:C < F' 2 99 C<) ' @ ; < B : ' A<(;' (; :< '
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? : @:B:' (; :' =<: ' A ; : :9 ' <: ' 2 99 :<) ' = 99B' (C< :B' @9 ? : '9 ' A ; <@ ; '
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@96 (EC B' !9 ' C ' ; 96 ' C B' D 9 : ' (; :' : U@<(: D : (' @9 (< 6C E' F 9A< F'
=6(' A<(; ' <(' !< (' : (E' (; :' B CDC' :C E' @9 D : ' (9' C ' : B
  C>: ' C ' C' A ; 9 : ' (; < ' @: : D 9 E' < ' (; :' D 9 (' < (: : (< F' C B'
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@96 B' 9(' 9 (; : A< :' F : (' < (9' (; :' B : ?(; ' C B' < @: <(E' 9!' (; :' !C<(; '
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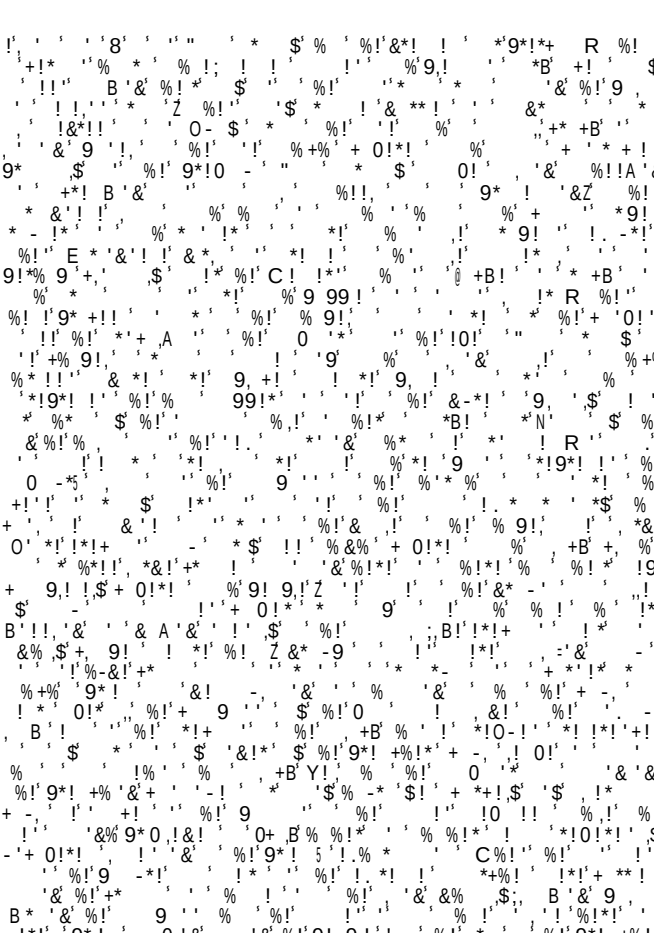

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will remain, how late or how early the Buddhists ceased to be rich and powerful in Western India? or when, if ever, the followers of the Brahminical creed were likely to pay honour to Buddhist symbols of the Deity? The latter question is at variance with all usual opinions as to the difference between these sects and the animosity which has ever prevailed betwixt them. But I have been very forcibly struck by the apparent identity of the Buddhist chattah and the Brahminical lingam. The very name of the great temple of Ava, 'Shoo-Madoo,' 'Golden Maha-Deo,' seems to imply a greater approximation than is generally supposed, and above all, a few weeks afterwards, I found the cave of Carlee in the keeping of Brahmins, and honoured by them as a temple of Maha-Deo."

Heber notices with surprise the uncultivated state and scanty population of Salsette fifty years ago, when the island had only 50,000 inhabitants, chiefly poor fishermen. The neighbourhood of Bombay has since caused a great change. The population has been doubled, being now 93,000 or 570 to the square mile, and no land that will bear crops of any kind is allowed to lie waste.

Bassein.

Many trips may be made on the water to points on the coast near Bombay; but none to equal in beauty the sail round by Tanna to Bassein. A moon-light night should be chosen for the excursion. Bassein is not worth seeing for itself, except that the utter desolation of what was once a flourishing Christian city is impressive.[1] Some of the ruined churches must have been of great size, but "in a paltry style enough, of Grecian mixed with Gothic." Is "Venetian-Gothic" a similar style? There is one tomb dated 1606. It is the scenery on the way to Bassein that makes the pleasure of the trip, the sea winding in and out amongst numerous and lofty islands for many miles. There is, indeed, no lake and river scenery in the world to beat the choicer bits about Bombay. To vary the journey the excursionist may return to Bombay from Bassein by railway.

Carlee Caves.

The most comfortable way of visiting these famous Buddhist caves from Bombay is to proceed by the G. I. P. train to Lanowlee on the top of the Bhore Ghát. The journey up the Ghát forms in itself a very interesting part of the excursion. After having engaged a pony for 5 o'clock next morning, dine and pass the night at Lanowlee waiting-room. At daybreak ride

[1] For account of the siege and destruction of Bassein, *see* work by Dr. Da Cunha on the History and Antiquities of Chaul and Bassein.

up the Poona road for about three miles, and turn off to the left at a path to which the ghorawalla or a guide should previously have been sent to show the way to the Karla or Karlee Hill, about a mile off the road. The traveller can then return to Lanowlee, or Khandala, and breakfast and return to Bombay by a train leaving about noon. The cave is the largest as well as the most complete, hitherto discovered in India, and was excavated at a time when the style was in its greatest purity (*Fergusson's Hand-Book of Architecture*). It is supposed to be about the era of Salivahana, or A.D. 78. It is hewn in the face of a precipice, about two-thirds up the side of a hill, which rises 800 feet above the plain, and is approached by a narrow path among trees and brushwood. An insignificant temple of Siva serves as a sort of gateway. The entrance portico (following Fergusson's and Heber's descriptions) is 52 feet wide, and rests on four columns, two of which are set in the walls. In front of it, on one side, stands a *lion pillar*, so called from having four lions fixed back to back in its capital; the site of the fellow pillar, on the other side, appears to be occupied by a small temple. The doorway under the portico is through a screen, above which rises a rather imposing arch. The inside of the screen is carved with naked male and female figures larger than life. Three colossal elephants are also seen in relief, their heads looking outwards and boldly projecting from the wall. The temple is something like an oblong church with a nave and side aisles. It is 126 feet long by 45½ feet broad, and has a circular apse behind the shrine. The roof is circular, resting on 41 pillars, each of those in the aisles having a "tall base, an octagonal shaft and richly moulded capital, on which kneel two elephants, each bearing two figures, generally a man and a woman, but sometimes two females, all much better executed than such ornaments usually are."—*Fergusson.*) The pillars behind the shrine are plain. This shrine is a dome on a circular drum, surmounted by the remains of a wooden chattar or umbrella. The only light which is admitted within the building falls on this object, with great effect. Some of the wooden ribs used in constructing the roof are still left. The interior is spacious and in good repair. Besides the principal temple there are many smaller apartments or cells, evidently intended for the lodging of priests or hermits, some ornamented with great beauty. Altogether, it would, says Heber, form a very noble temple for any religion.

[*For Excursions to Mahableshwur, Matheran, and other places, and the routes thereto, see* THROUGH ROUTES.]

THROUGH ROUTES AND FARES FROM BOMBAY TO PLACES IN INDIA AND ABROAD.

From BOMBAY to—	Approx. Fares. Rs.	Approx. Time. d.	h.
Abbotabad—Hill station and cantonment of 5th Goorkha Regiment. A prettily-situated valley in the Himalayas, about 5,000 feet above sea level. Rail to Hasan Abdal, N. W. Ry., above Rawalpindi. Dak bungalow near the station, whence, 44 miles, a pony tonga by writing beforehand to the Dak Contractor. Dak Bunglow half way.			
Abu Road—The station for Mount Abu, distant 15 miles. Refreshment room at the railway station, and a good travellers' bungalow close by, also a travellers' bungalow on the hill, up which there is a fair road. Ponies and other conveyances can be obtained close to the station.			
Agar—G. I. P. Ry. to Khundwa. Holkar Railway to Ujjain, thence mail tonga, 41 miles, to Agar. A military station, garrisoned by Central India Horse. A rest-house in the station. A good Dak bungalow at Ujjain.			
Agra—By G. I. P. Ry. to Jubbulpore (616 miles), thence by E. I. Ry. to Agra, 507 miles	86	2	3
Or new route by B. B. and C. I. Railway to Ahmedabad (310 miles); thence by Rajputana State Railway to Agra (538 miles)	52-6	1	17
Or by nearest route G. I. P. and I. M Ry. *via* Itarsi, Bhopal, and Jhansi. Agra is 839 miles from Bombay...	52-6	1	11½
Agra on the right bank of the Jumna was built by Akbar, and is the second city in size and importance of the North Western Provinces; the railway station is in the Fort near the river Jumna. The sights most visited are :—The Cantonment Station, the Fort, the world-renowned Taj Mahal; that unequalled "Dream or Marble," the Jumma Musjid, the Mausoleum of Itmad-ad-Dowla, the Tomb of Akbar at Secundra, a small village a few miles from the city, and Futtehpore Sikri, the favourite residence of the Emperor Akbar, about 25 miles from Agra on the Jeypore road. Guides and conveyances can be obtained. Travellers' bungalows, also refreshment rooms at the station, and hotels in the town. Jeypore, Ulwar, and Ajmere, all worthy of a visit from the tourist, are reached from Agra by the narrow gauge State Railway. (See H. G. Keene's Hand-book to Agra.)			
Ahmedabad—B. B. and C. I. Ry. 310 miles	19	0	11½
This city, founded by Ahmed Shah in 1411, contains numerous fine mosques and tombs of the Mahomedan Kings of Guzerat. The style of their architecture is admired by all visitors. The mosques of Rani Sipari, Muhafiz Khan, the old Jami Musjid, or mosque of Ahmed Shah, the Tami Mosque and tombs of the Queen are extremely fine. The station is the head-quarters of a Collectorate. Ahmedabad is the junction for			

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From BOMBAY to—	Approx. Fares. Rs.	Approx. Time. d. h.
Ahmednagar—*contd.* in July 1881. Two Agricultural Exhibitions were held here in 1883 and 1884. Cotton Factories:—Messrs. Gaddum and Company's, Mofussil, Broach, and Harvey and Sabapathy's. The new S. P. G. Church was consecrated by Bishop Mylne in September 1883. Tongas available at the Railway station. The fare to Aurungabad (Rs. 10, hours 12) with relays of ponies. An iron girder bridge spans the river Seena near the railway station.	20-8	0 17
Ajanta Caves—By G. I. P. Ry. to Pachora, 232nd mile; Rs. 14-8 and Rs. 7-4; thence to Furdapur (30 miles), from which village the Caves are visited. Small waiting room at station, also travellers' bungalow. It is possible to drive a tonga, but the road is rough, and riding is pleasanter. The best way is to leave Pachora at 4 a.m., stop at Sindurni (17 miles) during the heat of the day, either in the School-house, or under a tree (there is no dak bungalow), and finish the distance in the evening. Travellers must furnish their own provisions, bedding, and servants. Post Office at Sindurni, 17 miles. Good country carts and bullocks may be obtained by writing to the Mamlatdar of Pachora. The journey may be accomplished with a change of bullocks at Sindurni, in about eight hours. At Furdapur there is a dak bungalow. A guide is required to show the road to the Caves. These Buddhist Caves are 29 in number, carved in the amygdaloidal trap, and are among the best specimens of Cave architecture in India. Caves Nos. 1, 2, 6, 9, 10, 11, 16, 17, 19 and 20 are the only ones containing remains of the celebrated fresco paintings, supposed to be fourteen hundred years old, and admirably illustrate the religious and social life of the people of India when Buddhism was prevalent. Route from Ahmednagar *via* Aurungabad, also from Jalna.		
Ajmere—B. B. and C. I. Ry. to Ahmedabad (310 miles); thence by Rajputana State Railway to Ajmere (305 miles) ..... One of the principal towns in Rajputana surrounded by a stone-wall, in which there are five lofty gateways of great architectural beauty. Head-quarters of the Rajputana State Railway, and the junction for the military station of Nusseerabad. Good travellers' bungalow close to the station. Conveyances can be obtained at the travellers' bungalow. The Mayo College is a very handsome edifice for the education of the Princes of the Rajputana States. A hotel has been established for some years now.	43-3	1 3½
Akola—A Municipal town, 20° 23′ N. Latitude and 76° 25′ Longitude. West Berar, G. I. P. Ry. to Bhusawal, 276 miles, thence by Nagpur branch, a Municipal town, 363 miles from Bombay; or 87 miles from Bhusawal; fares, Rs. 22-4 and Rs. 11-3; or 158 miles from Nagpur. A through train also runs from Bombay to Nagpur and *vice versa* daily. Head-quarters of the		

From BOMBAY to —		Approx. Fares.	Approx. Time.
Akola—*contd.*		Rs.	d. h.
	Educational Director, Deputy Commissioner, Executive Engineer, Native Training and Boarding School, Church, Town Hall, Club, Government Telegraph Office, Library, and Rest-camp for Troops. The river Moorna, spanned by an iron girder bridge, separates the old town of Akola from the new. The Moorna has two annicuts. The Central Jail and Civil Dispensary are about 1½ miles from the railway station. The Central Jail is capable of accommodating 500 prisoners, and is worth a visit, as also the Jail Garden. The Barracks constructed in 1857 for the troops have now been appropriated for Government offices, branch Bank of Bombay since October 1888, and residences. Akola is about 390 feet above the level of the sea, and is very hot from February to June; feverish climate. Wild pigs, antelopes, and nilghai, within a circuit of 20 miles. Jheri, (timber mart), at the foot of Malghat, is about 46 miles distant, where tigers, bison, sambur, "blue bulls," are to be found. Pea fowl is obtainable at Dhulghat and Sisurda. Good native *shikaris* can be had at the latter places. There is no made-road to Jheri from here. Akola is the nearest railway station to Bassein, 50 miles, and Hingolee, 30 miles (q. v.) by mail cart on a bridged road. The area of the Akola District is 2,650 square miles; population, 5,74,782. Nurnalla Fort (q. v.), 42 miles. Waiting Rooms at the station, also Dak Bungalow and a Serai for natives close by. Akola has a population of about 17,000. The town is divided by the River Murna. It possesses a Central Jail holding 500 prisoners, and well known for its manufacture of Purdahs, Carpets, Fancy Canework, &c. Close to the Railway Station is the "Temple Garden." Two Cotton presses under European manavement. Principal products: Art Dyes, Gums, Seeds, Cotton, Wheat and Grain, &c. Three fairs of some importance are held. "Patur Shekh Babu" in February, distant about 16 miles, lasts for 20 days; "Sorala" and "Akat" in November, last 5 and 12 days, respectively. Akola is the direct road for the cotton market of Akote, distant 28 miles in a North-east direction. Good metalled road. Also the direct road for the district of Bassein and for the Military station of Hingoli, the latter distant about 80 miles. Akote is a large town, and during the cotton trading season is largely attended by both European and native dealers; it is also celebrated for its carpet manufacture and carvings about houses. The town of Mekar is about 30 miles from Akola, and about 15 miles south of Mekar on the Jalna road is the celebrated Soda Lake, called "Lonar," formed in the crater of an extinct volcano. The salt is used for washing and dyeing purposes, and is exported in considerable quantities. At Nagerdas, a village about 40 miles from Akola, a fair is held twice annually	22	C-13

From BOMBAY to—	Approx. Fares Rs.	Approx. Time. d. h.

Amritsar—*contd.*

Passengers by this route can avail themselves of the through carriage which runs daily between Bombay and Lahore. Amritsar is the great piece-goods market of the Punjab, and is celebrated for the excellence of its manufacture of Cashmere goods, and for the Great Shikh Temple, known as the Golden Temple, and the handsome tank, which is known as the *pool* of immortality. The pool is fed by a conduit from the B. Doab Canal. The dome of the temple (as are those of two or three others in its vicinity) is covered with gold, and is dedicated to the warrior saint, Govind Singh. There is a very fine clock-tower in the square leading to the tank. The Public Garden at Amritsar, the Rambagh, was once the park of a royal residence: it has now been laid out with considerable taste as a flower garden with walks and drives. The fortress of Govindghur is three miles from Amritsar. Three hotels and travellers' bungalow. Amritsar is 32 miles from Lahore (q. v.)

Anantapur.—In the Bellary or Ceded Districts, head-quarters of Collectorate. The traveller can proceed either from Gooty or Tadpatri. Picturesque large tank, and the Muchulota hills have to be crossed. Sports fairly good.

Arkonum Junction—(Madras), 42nd mileage; fares, Rs. 4 and Rs. 2. Refreshment rooms. Distance from Bombay, 751 miles 53-11 1 14

Asirghar—By G. I. P. Ry. to Chandni, 322 miles; thence 7 miles by a good road. Asirghar is situated on an isolated hill in the Satpura range of Ghats, at an attitude of 850 feet about the surrounding country and 2,300 feet above sea level. Climate temperate, and the fort is the health resort for the Mhow Garrison. Fare to Chandni, Rs. 20-2.

Assam—Steamers of the India General Steam Navigation Company run from Calcutta to Assam every Friday.

Atgaum—By G. I. P. Ry. The nearest railway station to the "Tansa Water Works," which is the chief source of the Bombay water supply, and is about seven miles distant from the station. Travellers to make their own arrangements for conveyances 3-11 0 5

Aurungabad—Nizam's Dominions. Telegraph Office 38-2 0 16
Population, 8,681; Military and Civil. To Nandgaon, G.I.P. Ry., 178 miles (Rs. 11-2 and Rs. 5-9). Waiting and refreshment rooms; also travellers' bungalow, thence by tonga, 56 miles, to Aurungabad (Rs. 25). Mail tonga runs from Nandgaon to Aurungabad in nine hours; fare Rs. 10 per seat. The Dak bungalow at Aurangabad is not now available for the accommodation of travellers. It has been changed to an Inspection bungalow, and is only available to certain officials to go their on duty. The mail tonga runs from Aurungabad to Jaulna, Aurungabad, 40 miles from Kunnad, formerly the capital of the extensive provinces of the

From BOMBAY to —	Approx. Fares Rs.	Approx. Time. d. h.

Aurungabad—*contd.*

same name, is now a city in ruins. About 8 miles from Aurungabad, N.W., is the Fortress of Doulatabad, (2,480 feet above sea level), to see which it is necessary to procure a pass from the Subha through the station staff officer, Aurungabad. This extraordinary hill consists of a vast conical-shaped rock, scraped all round to a complete perpendicular for a height of 120 feet from the base. The upper part of the hill is reached through a low, narrow, dark passage hewn in the solid stone, and leading to a large vault excavated in the interior of the hill. At the summit there is a Baradhari (bungalow), a delightful view. From this chamber a vamp or gallery gradually sloping upwards winds round in the interior. A number of iron guns of Oriental manufacture: also stone shot. At a short distance outside the ditch is a minaret, about 210 feet high, said to have been erected in commemoration of the first capture of this place by the Mahomedans. At Aurungabad is a very handsome tomb of Rabia Durani, called Beebi Mookbara daughter of the Emperor Aurungzebe. It is a model of the famous Taj at Agra. From Aurungabad the traveller may visit the Ajanta Caves, 54 miles: *via* Phulwari, 14 miles; Selhod, 21 miles; Ajanta, 49 miles; and Furdapore, 5 miles; at which places there are travellers' bungalows. From Furdapur to Pachora, G. I. P. Ry. station, is 30 miles. The city is 1½ mile from the Military Cantonment. The military officers of the H. C. have a bungalow given them in the city, situated on a very high spot, and known as the Burra Baldari. This station is also the headquarters of the Nizam's Revenue Survey and P. W. Departments. The military have their own P. W. D. sub-division officer. The coin is Halli sicca currency. Good grapes, peaches, English figs, and oranges can be had here and at Doulatabad when in season. The river Kaum (Gundanulla) separates the city from the Cantonment. The average rainfall annually is 28 inches. Nagpur (old dak line) road is 294 miles from here. Aurangabad mean height is 1,885 feet above sea level. The caves of Ellora are 14 miles N. W. of Aurangabad *via* Doulatabad.

Avady.—For Poonamallee (Madras line), a military depôt and pensioner's residence, twelve miles from Madras. Avady is four miles distant, and is the nearest railway station on the Madras line. Tripassore, once a famous historical town, fourteen miles further, is now going to ruin. It is situated in the Chingleput district, 3 miles from the Trivellore station 50-8 1 9½

Badnera—(East Berar) 113th mileage by the G. I. P. Ry. on the Nagpur Branch ..... 25-13 ...

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From BOMBAY to—		Approx. Fares.	Approx. Time.
		Rs.	d. h.
Baroda—By B.B. and C.I. Ry. (247 miles), is the capital of the territory of H. H. the Gaekwar. There are good refreshment rooms, also waiting rooms and sleeping accommodation at the railway station. Conveyances meet all passenger trains, and there is a travellers' bungalow in the camp, about 1½ miles from the station. Among the sights is the new palace built after a design by Mr. R. F. Chisholm. The gold and silver guns can be seen on application to the Prime Minister. The Camp has much the appearance of an English park, a feature which the country presents from here as far as Ahmedabad. In the Camp are stationed portions of a Battery of Artillery, two Companies of British Infantry, and a Regiment of Native Infantry. The British Resident also lives in the Camp. The late Sir James Outram was Resident here, and his memory is perpetuated in the racquet court and swimming bath, which were constructed with money offered to him as a bribe, and which he successfully solicited the Government to be allowed to take that he might devote it to the benefit of the troops stationed at Baroda.		15-8	0 9½
Barsi—By train 231 miles from Bombay to Barsi Road, thence (20 miles) by Barsi Light Railway to the Town of Barsi. The great fair, in honour of Vithoba (Vishnu), is held at Punderpur, about 32 miles distant from Barsi Road. This is the nearest railway station to Mominabad, Hyderabad Contingent Station. A tonga dak runs to Punderpur from Barsi. There is also a First and Second Class waiting and refreshment room.....		14-10	...
Bassim—By G. I. P. Ry. to Akola. Thence by tonga to Bassim, distant 50 miles, Rs. 7 for one seat. There are Post and Telegraph Offices, and Deputy Commissioner's and Tehsildar's Cutcheries, and Civil Hospital. There is a made-road from Akola to Bassim. Pathoor, B. and P. O., 20 miles, metalled road diverts to Khangaon; Maidsee B. 8, and Mallagaum B. 8 miles, and Bassim, 13 miles. Travellers' bungalow at Bassim. Tonga mail service to Akola. Bassim District is 2,958 square miles in area, and the population is 3,58,883; shikar abundant. The highest mountain is 2,000 feet high in the Poosad taluq. Bassim is 1,000 feet above the level of the sea..		22-11	...
Bassein.—By B. B. and C. I. Ry., 34 miles. It is the first station on the mainland, which is connected with the Island of Salsette, and two long bridges, from which a distant view of the famous ruins is obtained. There are waiting rooms at the station and a travellers' bungalow near the ruins, which are five miles from the station. Ponies can be obtained close to the station; mail trains do not stop at this station.....		2-2	0 2
Batavia—By P. & O. steamer once a fortnight		420	...
Belgaum—By G. I. P. Ry. to Poona, 119 miles (q.v.), thence by S. M. Railway (241½ miles). Is a military station garrisoned by Madras troops, and is 2,550 feet above sea level.....		22-12	0 23

From BOMBAY to—	Approx. Fares. Rs.	Approx. Time. d. h.
Bellary—By S. M. Ry. Changing carriages at Guntakal. Large military station. The fort consisting of three lines of works, two encircling, and one crowning an irregularly shaped granite hill, is a fair sample of Indian fortifications, but is not worth a special visit. Madras, 307 miles; fares, Rs. 34-6 and Rs. 17-4. Dak bungalow. Ramandroog Sanitarium is 37 miles distant from Bellary. Also by G. I. P. Railway to Hotgi, and thence by S. M. Ry. *via* Bijapur, Gadag, and Haspet to Bellary. The traveller by this route may visit the famous ruins at Bijapur or Humpi from Haspet; fares, Rs. 34-14 and Rs. 17-7. There is a third route between Bombay and Bellary, *via* Poona, Belgaum, and Hubli; fares, Rs. 36-7 and Rs. 18-4.....	52	1 6
Benares—(937 miles). *Via* Jubbulpore and Allahabad. Through train to Mogul Serai, thence by branch line 6 miles; Junction for O. & R. Ry. The European quarter is named Sekrole, and is about 4 miles from the railway station. Benares is a sacred city of the Hindoos, and was originally called Kasi and Kasika. The temples and shrines number over 5,000. In addition to these there are a number of magnificent buildings, residences of wealthy princes, interspersed with mosques and temples. Here is also the Musjid of Aurungzebe, the great Durga Temple, and a celebrated tank. The place is infested with monkeys, which are venerated by the Hindoos. The Golden Temples of Vishweshwar and Bhaironath, the Well of Fate, should be visited, as also the remains of the Buddhist establishment (Sarnath), about 4 miles from the city. Intelligent guides can be obtained at the hotels, of which there are two, Clark's and the "Hotel de Paris." The cost of the latter hotel, which is constructed on the most modern principles, was over Rs. 80,000	68-10	1 17
Berar—Or Hyderabad Assigned Districts, assigned by His Highness the Nizam to the British Government, under the treaties of 1854 and 1861. There are two distinct sections of Berar—namely, the Payanghat or lowland and the Balaghat or highland country above the Ajanta ridge. The principal places of trade are Akola, Amraoti, and Khangaon. Berar contains 17,711 square miles. Coins, British currency and copper dubs; the latter at 32 per rupee.		
Betwa Canal Works (N.W.P.)—Are situated at Paricha, about 14 miles below the site of the great viaduct, on the Jhansi-Manickpur line, in the 9th mileage from Jhansi. A masonry dam has been constructed across the *Betwa* and other irrigation works are in progress. This river has its source near Bhopal, with a drainage area of about 11,000 square miles; the velocity is about 13 feet per second, or at an average of about 8·86 miles per hour during floods.		
Bezwada—Terminus of the Nizam's State Ry., 338 miles from Wadi Junction, G. I. P. Ry.	31-11	1 20
From Secunderabad 218 miles	20-15	0 16½

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From BOMBAY to—	Approx. Fares. Rs.	Approx. Time. d. h.

Bibinagar—Is a small town on the Nizam's State Ry., 21 miles from the Military Cantonment of Secunderabad. The present fortification, with four massive gates, was built a century ago by the favourite Begum (Janabul Nissa), of the then reigning Nizam, hence the name. Small game available.

Bijapur—By G. I. P. Ry. to Hotgi, 292 miles, south-east line, and thence 59 miles by Southern Mahratta Ry. Refreshment room and a travellers' bungalow. Tongas and bullock coaches may be obtained at short notice. Bijapur was at one time the head-quarters of a province under the Bidar Government. Yusaf Khan, a Turk, who was appointed Governor, rebelled in 1489, and set himself up as King of Bijapur under the title of usaf Adil Shah. His descendants continued to reign at Bijapur for nearly two hundred years, during which time the prosperity of the kingdom so increased that it became the second Mahomedan city in India. This naturally drew down upon it the jealousy of the Emperors of Delhi, who put forth their greatest efforts to subjugate it, and eventually it fell to Aurangzebe, who besieged and reduced the city in 1686. During this period the Adil Shahis adorned their capital with many noble buildings, the remains of which now testify to the lavish expenditure of labour and money that was freely bestowed upon them to make them what they are—works of art. Among the principal buildings left us are, the Great Gol Gumbaz, with one of the largest domes in the world, in which is a most remarkable whispering gallery; the Jumma Ma-jid; the Mehtar Mehal; the Asar Mahal; the Taj Bauri; the Ibrahim Ranza; the Gagan Mahal; the Satmanji; the Makka Mosque; the Chini Mahal; the Anand Mahal; the Ali II. Ranza; the Andu Masjid, etc. There are also some very large guns, chief among which is the Malik-i-Maidan with a calibre, 2 ft. 4 in. diameter. Two or three days can be well spent in rambling about this old city of ruins and its suburbs. Unlike Ahmedabad, which is a thickly built modern city, in which its remains are buried among the houses; Bijapur lies spread out upon the plain, a veritable Palmyra of the Deccan. From any elevated spot a grand view of the whole of its ruins may be seen from those beneath the spectator's feet to these miles away upon the distant horizon, interspersed with jungles of prickly-pear, fields, and small hamlets. What population has remained has for the most part settled down in the west end of the city, where the new bazaar is..... 21-10 ...

Bilaspur (P. G.)—Bengal-Nagpur Ry., distance from Nagpur 256 miles in about 9 hours. The city is about 4 miles from the railway station. Junction station to Katni (E. I. Ry). The Government officials are:—

From BOMBAY to—	Approx. Fares.	Approx. Time.
Bilaspur—*contd.*	Rs.	d. h.
Deputy and Assistant Commissioners, Superintendent of Police, Medical and Forest Officers; besides, there are missionaries, shopkeepers, and the B. N. Ry. Co-operative Stores	24-0	2 0
Bina (Etawah)—I. M. Ry. Jhansi-Bhopal line, 86 miles from Bhopal. Junction station for the military station of Saugor, C. P., (q. v.), opened 5th June 1889. Fares from Jhansi, Rs. 5-15-0 and Rs. 3-0-0, and from Harsi junction, Rs. 8-15-0 and Rs. 4-8-0. This junction station is named after the river *Bina* to avoid the village "Etawah" (*vide* maps), being mistaken "for Etawah" on the East Indian Railway. The river "*Bina*" is about 4 miles from the station, and is spanned by an iron girder bridge of four openings. Refreshment and waiting rooms. Wild boars and good sport can be got along the Bina river	37-15	...
Bolarum—Five miles north of Secunderabad. Head-quarters of the Hyderabad Contingent Troops, a Cavalry Field Battery, and an Infantry Corps. Telegraph Station. The British Resident remains in this station for about four months in the year; Healthy and picturesque. The Superintending Engineer's and Account-ant-General's Offices are located here. Bolarum is 1,893 feet above the level of the sea. The palatial European Cavalry Barracks, double stoned, deserve notice. Coins, Halli Sicca and Government.		
Bombay—Passengers on the G. I. P. Railway, for the Fort, Marine Lines, Colaba, Esplanade, and Dhobie Talao, should book to and see their luggage labelled Victoria Terminus; and those for Grant Road, Byculla, Malabar Hill, Cumballa Hill, Mahaluxmi and Breach Candy should book to and have their luggage labelled Byculla.		
Borivli (Dysur)—By B. B. and C. I. Ry. 22 miles. It is near the Caves of Montpezir, and the ruins of a Jesuit Monastery, to which large number of Roman Catholics periodically repair. The famous Kennery Caves are four miles from this station. There is a waiting room at the station	1-7	0 2
Broach—By B. B. and C. I. Ry. (203 miles)	12-12	0 8¾
12 miles from Broach, up the Nerbudda, is the celebrated Banyan tree, covering from three to four acres of ground, and 15 miles beyond this spot are the renowned cornelian mines, from which the Cambay market is supplied. There is a waiting room at the station; also a travellers' bungalow in the town. Conveyances are to be had at the station. Broach is a place of great commercial importance, being the principal station for cotton export in Gujerat, and possessing some of the prosperous mills in the Bombay Presidency. Sailing vessels trade as far as the Customs Bundar, and a large coasting trade is carried on, but the heavy exchange formerly existing with Bombay by sea has been much reduced since the opening of the Railway.		

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E' 9) (; CD : B< : @((9' 9 9D=9' &00' C B' (; '
: ' N< (C ' !C : ' =E' C B' (:CD : '!9 ([
<F ' (E ' ! 9D' 9D=CE (9' 9 9D=9' < '&00' C B' (; '
9ECF : (C> : ' ! 9D' (; : ' (9'!96 BCE
; C> C(C Z 2< ' C <(C <6(' %000 ! : ' (C=9 : ' :C' : ; '
(C(<9 ' !9 ' 9 ' <(< ; ' :F<D : (' \C> ' =6 FC 9A'
< ' (C(<9 ' %P D< : ' ! 9D' C ; C C ?6 ' =E' =6 9@>'
; <F CD' @
; C<< FC9 Z+S ; C B: ; R' E' 3 ' ' E $ W0 ' D< :
2C ' C ' (C ' : ' ' =6 FC 9A' C B' C' : C' !9 ' C(< : '
! 9D' (: ' (C(<9 ' < ' (: ' B< : @(' 9CB'(9' : 6 C : * ' D< : '
(: ' : CB'V6C (: '9!' (: ' 9 : @(9 '9!' S ; C B : < ; H S6 "
6 <0CD' 9D< <9 ' ' W0 D< : ' B< (C (' 9 FC '
?9 <: ' ' C B'@96 (E'@C (' ' ; ' : ' ; CD : ' C ' ; C : '%0
D< : B< (C ('! 9D' ; ' : + ' 6 <C ' 9'5C FC9 ' 9((9 '
1 C (C B' 3 ' ' E' (C(<9 ' (; : ' < ' C' DCB : . 9CB'
C=96(' 0 D< : 'B< (C (&W'&+*
; C B: CF9 : Z ; 96 ' (C< '+& *%0 D < : R &&OH&0' W' &&
: C B: CF9 : ' < ' C N ' @ ; ' : ((: D : (' ; ' C< ACE'
(C(<9 ' < ' : 9A : ' < ' ; ' <(C ' : (: <(9 E ' ; ' : ' C ' :
(A9 ' ; 9(: ' <' (; ' N9 (' ('< (; ' : C(9!' C' N : @ ; ' 6=H
39 : ' 9 ' C B' < ' 9 E' (; ' : ' V6C : ' D< : ' < ' C : C

*P0 4 C 1 (& E ' ' 4 U

N 9D' ?? 9U' ?? 9U

1 '(9 Z' .' NC : ' <D :

<C<BW<H' E 3 ' ' ' E ' 5C=C ?6 ' < :' ' *WW D< : ' . 9D' ' B ' ; '
9D=CE ' DC ' (C(<9 ' <(6C(:B' < ' C' !9 : (' C B'
< ' <U' D< : ' B< (C (' ! 9D' (;:' !CD96 ' < FC ;'
N9 (: ' A ; : :'9 E' C' DC ' B:(C@ ; D : (' 9!' <(< ;'
!C (E' < ' (C(<9 :B ' 3CD :' 9!' C ' >< B ' ' DC '
A C<(< F' 99D ' ? 9 < <9 ' B<!!<@6 ('(9' =:' ;CB ' 1 96 [
(C< 96 ' @96 (E ' ;:';< '9 ' A ;<@;' (;:' !9 (' < ' @9 [
(6@(:B ' < ' C=96(' P#0 !::(' ;<F ; ' ;:' @<(E' < '
W *#0!::('C=9 :' :C' :E:<' K C(:<' ' : ' > 9A ' (9'
!C< ' 3 C?: 'C :'? : (<!6 . ' W 'W' 0' %
;<>C BC Z ;:' ;< ' ;(:C('!9 ' 9!!<@: 'C B'9(;: '< ' (;:'
: C ' C B' : (C ' 9 < @: ' <(6C(:B' C=96('W0 D< : '
(9' (;:' 9 (;'A : (' 9!' <@;?6 H C B' #0' D< : ' ! 9D'
D C9(<' C< ACE' (C(<9 '< ' * %%%% !::(' C=9 :' (< '
: : ' 9!'(;:' :C' C B' &0W !::(' ;<F ; . ;C ' 3CA< F6 ;'' '
(;:' @ <DC(:' (; 96F;96('(;:' E:C ' < ' B: <F ;(!6 ' '
5C 6C E' (;:'(; : D9D :(: '<' T&# 6 B: 'C'(: ' ; : :'
C :' C' 6D=: ' 9!' =6 FC 9A ' 9 ' (;:' ;< ' (;:' !< (
9!' K ;<@;'AC ' : :@(:B' < ' &0*P ' C' < ?: C E' = : [
C(9 E ' 9 (' C B' : :F C?;' !!<@: ' @9D=< :B'
: ; < : :' C B' C' =:C6(<!6 E' C<B'96('FC B: ' N 9D'
(;:'!99('(9'(;:' (9?' 9!'(;:' 3 ;C('< ' C=96(' !96 'D< : '
C @: (' 9(' E' (: :?' C B' A< B< F ' ;:' 9 B' 9 ('
< ' C=96('(A9' D< : ' ! 9D' (;:' CD?' ;:' @: : E' <'
6= <D : ' : C ' C F:'(C >' C :'9 '(;:' < ' ;<>C '
C=6 BC (' A< F' ;<(;: (9'(9'(;:' AC (' 9!' 6!!<@<: ('
C@@9D D9BC(<9 'C 'A : 'C '(;:' 9 B< C E' :@: C <: '9!'
<!: ' C 6D=: '9!'(;:' : <B: ('9!'(;:' (C' 9 < @: '
C B' : C ' B96=(: ':U : <: @:B' F :C('(96= :' C B'
< @9 : <: @:'A ;< (' : <B< F' C(' ;<>C BC' B6 < F' (;:'
6D D : 'D9 (; 6(' 9A'(;C(C' ;9(: '<'9?: :B'9 '
(;<' B: <F ;(!6 ';< ' (C(<9 '(;:' <B: ('C(CF?9 :
SCD?(:@'C B' : C ' A< ' !< B' CD? :'C@@9D D9BC(<9 '
(9F:(;: 'A)<(;'C ' (;:' @9D !9 (' 9!'C'N< (' C ' 29(:
9 < <9 ' 9!' : : E' B: @ <?(<9 ' C B' (;:' @;9<@: ('
A< : ' b@ ' C :' 9A' 9=(C< C= : ' '=C>: E' ;C 'C 9'
=: : ' =6<(' (9' 6?? E' (;:' B:DC B ' 9!' (;:' 29(:
' < <C B' 99D ' <= C E ' C B'9(;: '?C (<D:' :@ ' C <: '
A< ' =:' 9?: :B' ' !C@(' :': E(=< F' ;C ' =: : ' B9 :'(9'
D : :('(;:'A< ; : ' 9!' < <(9 ' (9'(;:';< ' ;:'@ <DC(:'9!'
;<>C BC' : :D= : '(;C('9!'(;:' F'< ;' 6D D :'C B' (;:'
? C@:' <' : E' ;:C ;E ' ('< ' :V6: (:B' (;C('< (: B< F'
< <(9 'A< '@9D D6 <@C(:'A<(;'(;:1C CF: 'C(;<>CBC'
C ' 99 ' C '?9 <= : ' (C(< F'(;:'C@@9D D9BC(<9 ' :V6< :B'
C B'!9 'A ;C('?: <9B' (: B< F' < <(9 '(9'(;<'B: <F ;(!6 '
;< ' @9 ' @9D D6 <@C(:' A<(;' (;:'DC CF: ' 9!' (;:'
';<>CBC' 29(: '9 '(9' (;:' 1C CF: ' 6D=CE' 29(:'
9D=CE' !9 ' C C F:D : (' !9 ' @9 :EC @: '
D C9(<' (C(<9
;<(9 FC ; Z ' 1 :EAC ' C ?6(C C' =E' ?6(C C' E
=96('(;:'(C(<9 '<'C'DCF <!<@: ('!9 (: '(;:' ?9?: (E'
9!'(;:' 1C;C C C'9!' 9B:E?9 ;' ;: ;'<'C'BC>'=6 FC 9A'
:C' (;:' (C(<9 ' ?? E' CF: '(' 9 ' (C(<9 ' DC (:'
B< (C @:'%0D< : ' !C : ' < F :' 9C(' '* ?:@<C'BC>
NC : ' ' *0'& S6(<CD 'C B' EfG+ ' S ;C BAC

, E ' , &' (A' @71N Y

N 9D ?? 9U' ?? 9U'

1 '(9H'H' **NC :** ' <D :

;<(C'S9(' C B' <(C?6 Z ' 9CB' <B:' (C(9C' 9 ' (;:' H' B' ;
' 1 ' E ' C=96(' 0' D< : ' ! 9D' SC A<' + =' R ' ;:'
!9 D : ' < ' C' C@ :B' =C(;< C'? C@:' 9!' 2< B6 ' < '
;9 96 '9!' 9) `' C B' ' 0L N' ;. .< F' =:: ' :U< :B'
! 9D' <9<=E 2 ' 8HC' NEQC=CB ' ;96 C B ' ! 9D' C '
?C (' @9 F :FC(:' C(' (;:' (<D :' 9!' (;:' :A' D99 '
: ?:@<C E'B6 < F' 'H 8 ' 9 '(;:' <?C C\' !: (< C
;< ' C< ACE' (C(<9 ' < 'B< (C (' C=96(' ,' D< : ' ;:'
< CF:'9!' '(C?<< 'C=96(' ;C !' C' D< :' ! 9D' ;<(C'S9('
<' CD:B'C!(: '(;:'F9BB: ' &' CDC) ' ?96 :

;<((99 ' +1CB C ' : <B: @ER Z 9' SC(?CB<' (;: @:'
=E ' &' C< ACE ' ;:' 9 B' N9 (' < ' A9 (;' C' < <('
C B' C=96(' (;:' D< : ' ' ' ' C :' C' 6D=: '
9!' 9 B' (9D= ' C B' 6B:' (9 :' D9 6D: (' 9!' F :C(
< (: : (' DC E' =:< F' 9D:(;< F' <D< C ' (9' (;:'
@ 9D :@; ' 9!' KC : ' ;:'(9D= '@9 < (' !' 6B:' (9 :'
C= '!9 D< F' C' >< B' 9!' =9U' C 96 B' A ;<@;' (9 : 'C :'
:(6?' <D< C '(9' (;:' 6<B) '@< @ : 'C(' ;9D:

99 CZ E' 3' ' ' E-' 'D< : '! 9D' 9D=CE' ' 0'&0

;:' 9D=<E' 9 6 (:: ' <!(:' C F. 0' C :' ;:C '(9' (;< '
(C(<9 ' ;). :C :'C 9'39 : !D (' 6<(' C ' C B' 9D :'
\ F:' ?<<< < F' C B' K :C < F' 1< ' K ' < ' (;:' !< ('
(C(<9 '9 '(;:' .C B'9!' C @((: '=:< F' @9(<C:9(:B' A<(;'
(;:'< C B'9!' 9D ;<E'=E'C' C6 :ACE

C>9 Z E' ' 'b'0 &' E'(9' C B' '(;: :'=E' `9B; C'
26(CD' E '(9' C>9 'W*%D< : '! 9D' 9D=CE' ' &OH&'

< (C @:'C=96('W0' D< : ' ! 9D' C B' < '(;:'D9 ('@: :[
= C(:B'? C@:'9!'?< F <DCF:'9 '(;:' 9D=CE' C 9BC' C B'
: (C' B<C' < :' ('=9C ('9!'(;:' C F: (' C>:' < '(;:'
SC< C'B< .(:.'=6(' '@;<:!' < (: : (' < ' < '(;:' (:D? :'
A;: :'(;:' <DCF:'9!' S < ; C' :?9 (:B' (9' ;C :' =:: '
= 96F;(' ! 9D' AC >C'< ' : ; < :B' ;:'=6< B< F'@9 ('
9 :' C>;'9!' 6?::) ' (;:'<B9) '(; 9 :'9!'A99B'< '=:C6(E''
!6 E'@C :B' B' 2< ' 2<F; :.< ' (;:' 3C:>AC ' C(: E'
?: (' '&.W#00' < ' 9 CD: (< F' <(' A<(;' < : ' C B'
F9 B' 2< B6'H' 9!' : : E' @C (:' f' 9 9' (;:' UC;D< ' (9'
(;:' ;:B'C((: B' '(;:' C((: ';9A: : ' C :' 9(' C 9A:B'
(9' : (: '(;:'(:D? : '=6('C :'@9D?: :B'(9' A9 ;<?' C(' C'
B< (C @: ' ;:'@;' :!'FC(;: < F 'C :'C('(;:' !6 'D99 '9!'
@(9=: '+ 9R'C B' 9 :D=: '+SC (<>R' A;: ' ! 9D' !<!(E'
(9'9 :' ;6 B :B'(;96 C B'?< F <D 'C((: B'DC E'9!'(;:D'
! 9D' B< (C (' ?C ('9!' (;:' ::@ ' C B' SC(;<CAC '' C('
9(;: '!6 <' 99 ' (;:' 6D=: ' 9!' ?<> <D ' C <: '! 9D'
!< :'(9'(: '(=9/< C B' 3CD: '=9(;' C F:'C B' DC ' C :'
(9'=:'9= C< :B'=:E9 B'(;:' C>:

C ;96 <: Z ' ;< ' (C(<9 ' C B' C <(C <6D' !9 ' (99? '
F C B E' <(6C(:B'%%00'!::(' C=9 :' :C' : : ' C< '(9'
D <(C '(;: @:' D <(C ' C(;C >9(:' C< ' 9 FC'
! 9D' '(;C >9('(8' 9 :< C '*0' D< : ' 9 E'9 'B99 E'(9'
C ;96 <: WW' < ! '(<D:'9@@6?<:B'9 '96 :E &W;96
C>'=6 FC 9A ' C(' :C E' (CF:

F.W' 1 (H ' 3\ ' ' 1

N 9D' ??(9U' ?? 9U
S 1 '(9Z' NC : ' <D :
CF?((' = C @;' ,,& D< : ' ! 9D' S ' B ' ;
ggg ' ' HB'
N 9D' CS?9 ' OO' D< : ' (;:' !C : ' =:< U' 2 ' # C B'
S 'W'O' =< '< ' (;:' :C : (' (C(<9 ' (9' :9(DC= ' C>'
=6 FC 9A' :C ' (;:' (C(<9 ' 9 FC' BC>' ? <: ' BC< E'
=:(A : ' (;< ' (C(<9 ' DB' :9(DC;<+ :<C<< C' B< (C @:'
9!' WP D< : ' ' ' (9 FC' 6 '< ' <U' ;96 ' !C : ' ! 9D'
: ' &'* (9' S 'W' ' 9((9 ' : : 'C B' 3< < F' NC@(9 <:
:< ' <((: ' (C(<9 ' <' !C (< < F' < (9'<D?9 (C @:'C ' C'
9((9 ' 1C (' ;:'=: ('@9((9 ' @6 (< C(:B' < ' : C 9' < '
9!!: :B' !9 ' C :' : :
SC . : F') ' : E' ?9?6 C ' ;< ' (C(<9 ' C B' C <(C <6D '
(;:' @ ;<:!'(9A ' 9!' C B< (<@(' < ' (;:' SCE.C;EL< R< <H
<9 ' 9!' : FC HH' 6 < F' +;:' ;9(' :C 9 ' 2' 2 ' (;:'
H<:6(: C H39 :D9 ' 9!' : FC' C B' (;:' ? < @<?C '
D:D= : '9!' ' 39 : D : (' : B : ' : : ' : ' :<F ;('
< '%#OO!: :(' C B' F < ' ' :F:(C= : C B' 9A: ' C :'
F 9A ' < ' C=6 BC @:' ' : ' C< ACE' 96 :E' 6? (;:'
3 ;C6(' < ' C ' :U@::B< F E' < (: : (< F' 9 : ' C B' 9D :'
A9 B'A<B:' (C : : ' ;C :' B:@C :B' (;:' @: : E'(9'=:'
6 6 ?C :B' < '<(' 9A ' ?C (<@6 C ' .E :'9!' 6. <!<@: ('
=:C6(E
9B C'' (;:' : :CB'V6C (: '9!'(;:' < (<@(' ' 'C B' '
E' (9' : D :BC=CB ' *&O D< : ' (;:' @: =E' C ?6(C C'
(C(:' E '(9' C C ?9 : ' O* D< : ' 2!H' O'O' : : C < ' 9A'
:C@;:B'=E'C' C< ACE' C (' C :'9=(C< C= :'C(C C ?6 '
=C ' @CD : ' C B' ;<F CD ' ;C :' (9' =:' 9< (C< :B' ! 9D'
: : C' K C<(< F'C B' :! : ; D : (' 99D ' \ C Z#O
D< : Z< ' (;:' : :<B'V6C (: ' 9!' (;:' SCBCAC' S6 =< '
C' ?6 : ' ;6B C' @C (:' (;C(' @: := C(:' (;:(' DC <CF: '
9 E' 9 @:'< ' (A : ' E:C ' :E' ;C :' C' !< :' (:D? :'
C(' (;< ' <;CF: ' <B? ZT#.' D< : Z< ' C ' C @<: (
? C@:' 9 '(;:' =C > ' 9!' (;:' C C 6 C(< < : ' (' AC '
(;:' K< B 9 '9!' (;:' ;C 6>EC' S< F ' 9!' 36 : C(' ! 9D'
(;:' &O(;' (9' (;:' &*(;' @: (6 E' C B' (< ' @9 (C< ' 9D :'
! C : ' (' 9!' (;:' ? : B<B' 6B C' 1C C' @9D? :(:B'
=E' <BB;C' C C;' < ' a' &&,#' ' ;9 (' (CF:' (9' (;:'
K : (9!' <B?6 ' < ' C((C ' (;:' 9 B' @C?<(C '9!'(;:' ;C'
>EC ' C B' (< 'C' C F:' AC :B'(9A ' (B
: ;<Z ; 96F;' (C< ' (9' C;C=CB' (;: @:' @;C F:' @C '' HH
<CF: ' &W*# D< : ' PT'%' W' &W
:A' 96(:' =E' ' ' b' ' ' E' (9' : 9:BC''
=CB' +*&O D< : R' (;: @:' =E' C ?6(C C' (C(:'(9' : ;<
#OO D< : ' ##'&O' & &T<
9(;: ' 96(:'! 9D' & (5C 6C E' 5OOP' < ' + ' (C <
5;C <' C B' 6 B<C' POW D< : '! 9D' 9D=CE' T&'T
C : F: ' =E' (;< ' 96(: @C ' C C< ' (;:D : : ' 9!'
(;:' (; 96F;' @C <CF: ' A;<@;' 6 BC< E' =:(A : '
9D=CE' C B' C;9 : ' : ' : ' < 9!' (9'BCE' AC ' =6< (
< ' (;:' &%(;' @: (6 E' =E' <<C ' 5: :C ' : ' C '
: : ' FC(: ' (;:' ? < @<?C ' =:< F' (;:' ' C @6((C '
(;:' C;9 : ' (;:' SC ;D : @' (;:' 199 ' (;:' D : ' C B'
(<: C=6 '' : ;< ;C '9@@6?<:B' C <96 ' <(; '=:!9 :' (;:'
? : : (' 9 :' AC' : :@(:B' C B' !9 ' D< : ' C 96 B' (;:'
@<(E' (;:' :DC< '9!' DCF <!<@: ('=6< B< F 'C :' @C((: :B'

2 ' ((a ' ' SVS

9D ?? 9U ' ?? 9U

1 '(9Z' NC 9 <D : '

: ;<Z@9 (<H ' S : B ' ;

;:' < <(9 '(9' : ;<' @C 9(' !9 D ' C' @9 @:?(<9 ' 9!' (;:'

F C B:6 ' 9!' (;:' @<(E'=:!9 :' (;:' 1 6(< E ' . ' < @:' (;: '

D CF <!<@: (' =6< B< F ' ;C :' =:: ' ?6 1 ' B9A ' A<(;< '

(<:' ?C C@:' : @ 9 6 :' (9' D C>:' 99D ' !9 ' =C C@> ' b @

;:' ? < @<?C ' 9= :@(' 9!' < (: : (' C :' (;:' ;C B '

;9\ >' +(;:' @;<:!' (:: (<' 5D D C' 1 6 <B ' (;:' 2C ' 9!'

6B<: @:' (;:' :AC ' S ;C ' (;:' S9EC ' C(; ' (;:'

:C ' 1 9 V6: ' (;:' SC C' 1 6 <B ' (;:' :D:(: ER' < '

A ;<@;' 3: : C ' <@;9 9 ' (;:' C?(9 ' 9!' : ;<' < '

< (: :B ' 6B 9A' C (:' (;:' N CF' (C!!' 9A: ' 2< B6'

SC9 ' ;96 :' +(;:' D C< ' ?<@V6:(R ' (;:' (C!!' 9!' : 9Q:'

;C ; ' (;:' D ?: 9 ' 2 6 D CE99 ' (9D = ' (;:' (9D = ' 9!' (;:'

9:(' S ;6 :' (;:' C6(;9 ' 9!' CF ;' 9' C ;C ' (;:'

1 6(< E' 1 :D 9 <C ' L*9 6D ' C B' ;6 @;' (;:' S6(6='

1< C ' \ ' D< : ' ! 9D ' : ;<' (;:' @: : ' C(:B' 9 ' < C '

(;:' @<(E' 9!' 9F C>C=CB ' C=96(' ' D< : ' ! 9D ' (;:' S99(6= '

(;:' (9D = ' 9!' 9F C>' ;C ; ' b @ ' 3 6<B: ' @C?' =:' 9=(C< :B '

K C<(< F' C B' :! : ;D : (' 99D ' C(' (;:' (C(<9 ' ;: :'

C :' (; :' ;9(: ' (;:' 9 (;= 99>' (;:' 1 :(9?9 <(C '

C B' (;:' \ <(:B' : <@:' N9 ' (;:' @9 : <: @:' 9!'

(96 < (' 1 : ' : : E' C B' 9 ' ;C :' : (C= < ;:B' C'

D C (' @9 : <: (E' <(6C(:B' C ' :FC B ' (;:' ;9(:

:9 C <Z 1 < <(C E' B:?T.' 3 ' ' ' E ' &&*' D< : ' C B' < '

6 :B' C ' C' C <(C <6D' !9 ' (99? ' @@9D D 9BC(<9 '

!9 ' D 9 :' (;C ' *0+a+ D : ' K C<(< F' 99D ' % □' □

:9< Z+ C (9 D : (' 9!' :9 <' :F6 C ' N9 @:' C(<' (9'

6 :: C=CB ' (;: @:' #% D< : ' =E' @CD : ' ;<F CD ' b @

C>' =6 FC 9A ' C(' &P(;' D< : ' C(' *+(;' D< : ' C B' C('

:9 <' 9 ' < : ' C C ' =E' C' !9 B' : : ' D< : ' ! 9D'

:9\

;C A C Z E' 3 ' ' ' E ' (9' 99 C ' (;: @:' =E' ' 1 ' E '

(9' ;C A C ' 9' 1 C D CF9C' =E' ;:?;: B' b' 9) '

(:CD : ' (;: @:' =E' K ' ' ' C B' ' 1 ' C< A C E ' (9' ' '

;C A C

;9 6 Z E' 3 ' ' ' E ' (9' (C ' (;: @:' =E' ' 1 ' E ' (9'

;9 ?6 ' 00,' D< : ' ! 9D ' 9D =CE ' (' < ' (;:' @C?<(C ' 9!'

(;:' C(< :' (C(:' 9!' (;:' CD :' CD : ' C B' <(6C(:B' 9 ' (;:'

=C > ' 9!' (;:' ;6D=C ' ;:' : <B: @: ' 9!' (;:' 1 C ;C''

C C' C B' 9!' C' 9 <(<@C ' F: (' C :' ;: :' ;: :' C :'

F99B' A C<(< F' 99D ' C(' (;:' (C(<9 ' ' BC>' =6 FC 9A'

< ' <(6C(:B' 6 (' 96(<B:' (;:' (C(<9 ' D 9 F' (;:' ? C@: '

!' < (: : (' < ' C' D 9 V6:' =6< (' < ' &TW,' =E' ;C ; ;C '

A ;<@;' < ' 6 96 B:B' =E' C' D C6 9 :6D' < ' A ;<@;' C :' (;:'

:D C< ' 9!' C' E:B' 1 < <9 C E

;9 B Z &T%(;' D< :CF: ' 6 @(<9 ' 9!' (;:' 3 ' ' ' E '

A<(;' (;:' ;9 B' C B' 1 C D CB' (C(:' E ' K C<([

< F' C B' :! : ;D : (' 99D ' C>' =6 FC 9A' C B'

: C< ' ;:' C@ :B' ;< CC' < : ' < ' C=96(' C' D< :'

! 9D' (;:' (C(<9 ' 6C ' !C< ' ' ? < ' '

;9 96 ' 9!' ;E 99 C(; ' ;9 B' (9' ;D :B CFC

*' ;96 ' C B' ! 9D' (;: @:' (9' 1 C D CB' C=96(' T' ;96 ' '

(9(C ' 2' ;96 ' =E' (C< ' (9' 1 C D CB ' ;C F:' @C <CF: '

!9 ' (;:' (C(:' < : ' D C ' FC D :' C(' ;9 (' B< (C @: ;□' ' &

N 9D ?? 9UH' ?? 9U'
1 '(9Z NC : ' <D:
'

;6 <C Z 3 ' ' ' E ' (9' ;C < FC9R ' '&W'&W' C : [
:)' =6 FC 9A ' 9 < <9 ' A< : ' C B' (9 : ' @C '
=:'9=(C< :B ' ;6 <C' < ' *& D< : '! 9D' ; : :' ' C'F99B'
9CB ' A : '= <BF:B' C B' B C< :B' (; 96F;96(' :U@:?('
A ; : :' <(' @ 9 : ' (;:' 3 D C' C(1 : ;6 =C C ' E' @C ('
(9' ;6 <C' 9 ' =E' D C< ' (9 FC ' C (' @C ' = :' ;CB' 9 '
C?? <@C(<9 ' (9' (;:' 1 CD C(BC ' ;:' C(: ' 6 < F' C :'
*' C C ' ?: ' >9 ' +W D< : R' B6 < F' (;:' !C< ' :C 9 '
C B' & C C 'B6 < F'(;:' A :(' ;:' D C< ' (9 FC' 6 6C E'
;C ' :C(' !9 '(A 9'?C : F: ' C B' (;:' @; C F:' < ' ! 9D'
'*' (9' '&?: ' :C('!9 '(;:' A ;9 :' 96 :E ' '(;: :'
< ' 9' !<U:B' C(:' (;:E' 9D:(<D:' @;C F:' ' # C B'
' T' (' (;:' (9A ' 9!' ;C < FC9 ' 9 E' (;:' 6 6C'
? 9 < <9 ' (9' ;:' ;CB' C(C(< :' < CF:' @C ' =:'
=(C< :B ' <F ; (' D< : ' ! 9D' ; : : ' 9 ' (;:' ;6 <C' <B:'
9!' 3 <D C ' < ' (;:' < CF:' 9!' 1 CE ;99 =C C ' A ;: :' (;:'
(C : ; '@C ' = :C>' ;< ' 96 :E ' ('< ' C' D C ' C(< ;'
< CF: ' ; : :' < 'C F< : : ' ?:@(<9 ' 6 FC9A'
; : : ' A ;<@;' @C ' =:' 6 :B' =E' (C : ' ' 9' !: : '
: <:B ' 9' !6 <(6 : ' ;:' =6 FC 9A' <' =6< (' 9 '
(;:' ;<F ;' =C >' 9 : ;C . F' (;:' < : ' C' B: < C= :'
;C (< F' ? C@:' ;:' !< : ' 3 <D C' < ' !9 BC= :' :U[
@:?('!9 ' C' !:A' BCE ' B6 < F' (;:' D 9 99 ' A ;: ' (;:'
3 9 : D : ('!: E'? <: ' A' ; : '(;:'!: E'B?: ' 9('? E'
?C : F: ' C :' @9 :E:B' C@ 9 ' 9 ' (;:' M' (C!C' ;' +C'
@;C ?9E'9 '@96 (E' =:B (:CB' !9C(:B' 9 '@C C=C ;: R' C'
?: !:@(E' C!:' D 9B:' 9!' @ 9 < F' N96 ' 9 ' <U' D :'
6 6C E' A<D' C 9 F <B:' (9' (:CBE' C B' F6<B:' <(' ;:'
M (C!C)' D : ' C :<$C<B, C C ' ?: ' ; :CB<<: (<?' A ; : '
(;:' ! 99B'<' : E' ;<F ; ' ;6(' A ; : ' (;: :' < ' 9' BC F: '
W'C C ' C' ; :CB ' N 9D' 1 CE ;99 =C C ' (;:' :U(' (CF:'<'
< @;99 ' &Ù D< : ' F< : :)' ?:@(<9 ' 6 FC 9A'
!6 < ; :B ' 9' !: : ' : <:B ' ;6 \C' < ' &T D< : ' (' <'
(;:' ;:CB'V6C (: ' 9!' (;:' S ;C B:< ;' 9 :@(9 C(:'
C B' ;C ' C' 5C< ' 96 (';96 : ' 39 : D : (' (<@:
39 : D : (' : (C ' :C 6 E' ; : : ' 9 ? ' b @
; :'(C : : C)'=6 FC 9A' ; : :' < ' < ' F99B' 9 B: ' C B
< ' !6 < ; :B ' ; :' F C' (6 >' 9CB' ?C : ' (; 96F;'
(;:'(9A &W'&W'

9 FC FC ; Z+ R' : FC ' CF? ' E ' T,% D< : ' ! 9D'
9D=CE' < (C @:' ! 9D' CF?6 ' &W% D < : ' !C :
'&&'&#' K C< < F'C B' :! : ; D : (' 99D ' : <B: @:'
9!' DC E' C< ACE' 9 ; @<C ' :!9 :' (: < F'(:<' (C(<9 '
(;:' @: : E' < '?<@(6 : V6 :' A<(;' AC(: !C 'B6 < F'(;:'
C<(< ' '(6 : 'C B' C' <CB6@(' C :' @ 9 :B ' ;:' < :'
;C ' DC E' : : :'@6 : ' 9 'C@@96 ('9!'(;:';< E' C@(:' , , '%' O' W (!

9D C>C Z56 @(<9 ' !9 '(;:' <9FC : ' +V' R' @9C '!<: B
B' M' : 5C B6 Y' (;:' (: D< 6 ' 9 E' &# D< : ' 9 F
9 C>6 ' < <QCD) R' < ' ,% D< : ' ! 9D' (;:' 2 EB: C=CB
C?<(C ' :! : ; D : ('C B' A C<(< F' 99D ' &#'& ' & &"(

<9 ; ?6 Z+ C (' : C R Z E' 3 ' ' ' E ' (9 CB : C9 '
CF?6 ' = C @;' K C<(< F' C B' :! : ; D : (' 99D '
(;: @:' (9' D C9(<' =E' (;:' (C(:' E ' 1 CB:' 9CB

N 9D ?? 9U' ?? 9U'
- /'(9Z NC : ' <D :'
H' B' ;

<@;?6 Z:91K

! 9D' \@;? '(9' D C9(<H' *0' D< : ' C>' =6 FC 9A' C(' C<F . '&0' D< : '! 9D' D C9(<' ; :' ;< ' (C(<9 ' 9!' ;<>C<BC ' :C '3CA<F 6 ; ' : : := C(:B'< ' (; :';< (9 E' 9!' (; :' 6>;' ' K : < F(9 '=C((: ' < ' 9 (; 'A : (' 9!' <@;?6 ' ;< ' < ' C' (C(<9 ' 9!' (; :' 2 EB: C=CB' 9 (< F ; ;(' @9 < (< F' 9!' C' :F<D : (' 9!' !C (E ' C' =C((: E'9!' (< : E ' C B' C' V6CB 9 ' 9!' C C E ' ; :' < ' ' <@;C ' 6 ' (; 96F;'(;:' C (9 D : (' C B' (; :' ; ' C<DC (' 96(<B: ' 9(;' < :D' (C>:' (; :< ' < :' ! 9D'(;:' C(?6 C'D96 (C< '@ 9 :'=E ' ;< ' (C(<9 ' < ' &WTO'!: :('C=9 ;' (; : :C C B'< ' <(6C(:B'9 '' (; :! 9 (<: ' 9!'(; :' (C ' 9 < @: ' ;' :' C F:' 9!' ;< ' (9'(; :' 9 (; ' :?C C(: ' (; :' C<(' < (<@('' : (C ' 9[< @: '! 9D' C (' : C ' \<@;?6 ' < 'C' : E' ; :C (; E' (C(<9 ':U@:?('< ' :?(:D=: ' @(9=: ' C B' 9 :D=: ' A ; ' !: ; ' C :' ? : C : ('' : A' 9CB' (9' :; <' (; :' F :C('(<D=: 'DC ('< ' @9D? :(:B ' C>' =6 FC 9A ' ' 1 99>(CF ; : <' 2< ' <U' D< : ' B< (C (' (; : :' < ' C' =:C6(<!6 'AC(: !C ' 1 C<' (9 FC' (9' D C9(<' *0' D< : ' ; :' \<@;?6 ' < (<@('< 'W T .' V6C :' <: ' < ' C :C ' A<(;' C' ?9?6 C(<9 ' 9!' * &* 00o' ?: 9 ' C F:' C B' DC 'FCD :'C=<DBC (

\9 CZ 9' C BFC9 ' =E' 3 ' ' ' E ' + &%O(;' D < :CF :R"' (; : @:'(9 :9FC6D'=6 FC 9A ' * D6 : ! 9D'A ;<@;' < <(' \9 C' C B' 9QC '&WD< : ' B< (C (' C (' <F : (E' CB : @C 'F9'6?'(; :'F ;C(' ! 9D' \9 C'(9' 9QC 'C B'B9A '! 9D' (; : :' (9' 96 C(C=CB ' '!:B ' 9CB' ;C ' =: : ' D CB :' ! 9D' 9QC' (9' 6 6 FC=CB' + ' 96 C(C=CB ' \' D< : ' C B' <F ; (E' CB : '@C ('@C 'F9' :<(; : '6?' 9 ' B9A ' (; :' F ; C6 ('' (' < ' :F6 C E' 6 :B' =E'(9 FC ' ! 9D' 6 6 F[C=CB ' ; :' =: ('(<D :'(9'D C> :'C' (<?' < ' 6 (' C!(: ' (; :' C< ' A ; : ' (; :' ;< 'C :'=:C6(<!6 E'F : : ' C B' A C(: [!C 'C :' : : '(9' CB C (CF: ' ;:' C : '9!' \9 C' 9 : 6 'C :'C=96('C' D< :'! 9D'(; :' < CF: 'C B' C 9(; : ' D< : 6?' (<:' F ; C(' = < F ' (; :' (C : : ' (9' 9QC ' (' 9QC' C :' (; :' (9D= ' 9!' 6 6 FQ:=:'9 ' CDF< C B' : : C ' 1 C ;9D :BC ' C< (' A ;<@;' 2< ' 2 <F ; [: ' (; :' <QCD' < <(:B' < ' 5C 6C E' &OO*' . : ' F C?;' ! @:'C(6 6 FC=CB' C B' <(E ' 6 C FC=CB ' 9QC' C B' \9 C' C :' ? C@: ' A9 (; 'C' < <(' =E' C ' C (<V6C <C ' C B' (C : : ' N 9D' 9QC' C' (: :?' F ;C('B: @: B '(9' 96 C(C=CB ' ; :' C :' :D ? : ' C :' <(6C(:B'9 ' C'@ : @: (' ;C?:B';< ' A<(;' (; :'@9 @C <(E' (9AC B ' (; :' A: ('C B' (; :' ;9 '(9A: < F' C=9 :' (; :' <BF:' ; : :' C :' :C E' *W C F:' @C : ' 6BB;< (' C ; D< <@C ' C B'5C< C ' < @ 6B< F' :UCD ? : '9!' C D9 (' : : E' >< B' :U@:?(' (; :' D9' C @<: (' ; :E' C : @6(' < ' C ' C D EFBC 9<BC '(C?' 9@>' C B' :U(: B' C=96(' 9 :' D< :' C B' C' ; C I' C 9 F' (; :' @C ?' 9!' (; :' J ;< ' (' < ' 6 6C ' (9' < <(' (; :D' F9< F' ! 9D' 9 (; '(9' 96(; ' =6('(; :'(6 :' A CE' '(9' =: . ' C(' (; :' 96(; ' : B' +M ; : A C C\' (; :' 9 B: (R' A ; : :' (; :' 6BB ; < (' 9 ' :C <: (' :UCD ? : ' C :' !96 B ' C B' CD 9 F' (; :' C(:

OPO 1 HP' 3 \ ' ' 1

N 9D' ?? 9U'' ?? 9U

1 '(9Z' NC : ' <D:'

F ,+ ' R2EB: C=CB' :@@C '+V R'(;: @:'=E'BC>'T<' ' B' ;'

D< : ' ;:'(9D= '9!'(;:'S< F '9!' 39@9 BC' :C '(;:'

!9 ('A;<@;'<'=6<('9 '(;:'(9?'9!'C'@9 <@C' ;< ' ;96 B'

=:' < <(:B' M' ;:<' C (: ' C B' 9 <B<(E' (<>:' C('

9 @:'6?9 '(;:':E:'C B'? 9B6@:'C'F :C(: ' :!!:@('(;C '

(;:'D9 (': C=9 C(:' @6 ?(6 :Y

" 9 R C (9 D: (' ' : (C' B<C'29 :'C B'C' 9<[

(<@C' F: @E' ' B9 :' F C' 9CB' C<'(9' < C'

(;:6@:'=E' < C' 99 C' C< ACE'(9'399 C'&WO'D<:

" $R1CB C 'P*'D<:'!9D' C<@;9:'!C :' 'P'C B' '*'

C B' W#%D<:'!9D'1CB C '!C :' 'W<'C B' P' C>'

=6 FC 9A''C'?C@:'9!'9D:' : 9A '' <' ;9DC '16 9)'

@: 9(C?;'<' : :@(:B' ;: :' C (C?6 '+V R'<'*,'

B< (C ('*9'&&'

"-, *& R <QCD)' 9D< <9 '<' <'(;:'*#* B'D<:CF:

C>'=6 FC 9A';:CB'V6C (: '9!'(;:' C 6VBC 'C B' U:[

@6(< :' F< :: ' <QCD)' 'K ;:' : (C'5C<'(;:'

9 (' !(<@:'+ <(< ;'C B' <QCDR'(;:'9 B' 6< :B'!9 ('C B'

(;:'(9D= ' C :' ?: ;C? 'A9 (;' ::< F' ' <

;:B' ;: :'C 6C E'<' ;9 9 '9!'C'1C;9D:BC ' C< (

6 BC<' C CQ' ; ::' 9!' (;:' C;DC <'>< F 'C :'

< (: :B'9 '(;:':C (: ' <B:'9!'(;:' : : '/%) : '

+B9D: R' '(;:' 6DD<('9!'C' DC ';< '(A9'D<:'!9D'

(;:'(C(<9 '<'C' C F:'B9D:'A<(;' < (<@C(:'?C CF:'

A;<@;'AC '9 @:'(;:'!CD96' :(:C('9!' 9==: ' ' WW'&

3U< (C>6'56 @(<9 Z1CB C 'W%*'D<: '!9D'A;<@;'(;:'

!C :'C :' 'WT'C B' '&O' 3<D(C><<'<'C 9'C''L @(<96'

!9 ' C FC 9 :' ;C F:'@C <CF:'!9' : C E'=C @;

W'D<: ' ;:'!C :'C :' '' :'&'C B' 2 '*6<

;: :'C :' 9A'(A9' 9(;: ' L 6(H'O !9D' 9D=CE'(9'

36 (C>C'+M' 99 C'C B' 29(F<'C B' (;: @:'=E' '1

E'36 (C>C<'(;:' 6 @(<9 '!9 '(;:':U(: <9 '9!'(;:'

96(;: ' 1C; C((C' E' (9' C BEC' 6D=6D

36 (6 'C B'S<(C' C C' : D< 6 ' ;e' ;9 (: ('C B'

@;:C?: (' 96(:'(9'1E 9 :'<'+ '(;:'O'1 ' E' !9D'

99.C' NC :'!9D' 9D=CE' '#&'&#' ;:' 96(;: '

1C; C((C'2E' 96(:'!9D'A9 9=CE'(9' :<<;: <:F' ; '

=:: 9 : :B' ;: C'<'C'!C ('(; 96F '(C< ' : <@:'

!9D' 99 C'(9' C FC 9 :' C B'?C : F: ' C :' 9('

:V6< :B' (9'@;C F:'@C <CF:'=:(A:: '(;: :'?C@:

'(;:' '1' E'<'9 'C';<F:' : :' C '(;:'ACE'!9D'

99 C'(9' C FC 9 :'(;:';:C('<' 9('F :C(' : : 'B6 < F'

(;:';9('A:C(;: ' ;: :'<'C 9'C' 96(:'9 '(;:' 96(;: '

1C; C((C' E'(9'1:<(C?9 \6D'C B' : < FC?C(CD' ' T& &T

3AC <9 Z E'3' ' ' E'(9'(C <'C B'5;C <'C B'(;: @:'

=E'(;:' B<C '1<B C B' B< :@('(9' 3AC <9 '(;:' :A'

(; 96F;' 96(:' B< (C @:'!9D' 9D=CE' %T*' D<:

;: :'C :' :(<< F' 99D ' CB C@: ('(9'(;:' (C(<9 '6 [

B:'(;:'D 6C<.:D: ('9!'(;:' :! : ;D: (' 99D' 9 (C@([

9 ' ;:' C< ACE' 9D?C E';C :'C' :! : ;D: (' 99D'C B'

AC<(<' F' 99D 'C('(;:' (C(<9 '=6('@C '9 E'?: D<('(;:'

C((:'(9'=:'9@@' ?<:B'!9 '(A9';96 '=:!9 :'C B' C!(: ' (;:'

C < C'9!'(C< 'C B' 9('C C'BC>'=6 FC 9A' N9 (;9 :'

!9 B'9!' ;99(< F'(;: :'<'F99B' ?9 ('=:(A:: '3AC <9

N 9D ?? 9U' ?? 9U'

1 '(9 Z C : ' <D:

5C ?6(Z@9 L <' ' BH =

1'9=(C< :B' 96 B'(; :'=C :'9!' (: . :' F:B' <BF: '
C :' 6D : 96 ' (C > ' C B' DC F9 F 9 : ' 9 (C (< F
(C F: E A<(,:'(; :' F C <(<@' DC ' @C((; :B'C=96(!9 '
D< : =96(' : ' D< : ! 9D' 5C=C ?6 C : ' (: 'IC $
!CD :B' '1 C = : 9@> Y (9' < <(A ; <@ ;' @9 :EC @: '
C(2 '# C B' 'W +@9C@ ;' C B'(9 FC R ?: 'BCE @C '=:'
=(C< :B'9 <!'? :! : :B' (; ' 96 :E @C '=:'6 B: (C>: '
=E' (C< ' (9' 1 : : F6 F: ' (9' A ;<@ ;' (C(<9 ' @9 :EC @: '
:96 B' = : ' (;' <F: (? : <96 ' C< AÇE !C ;'
! 9D' 5C=C <D ' (9' 1 : ' F6 F: ' <@ : ; ' ' C C '
9@> ' C :' B< (C ' C=96(!< : ; D< : ! 9D' 1 : F6 F:'
(C(<9 ' ; : ' @ ;99 ' 9!' (' (C=< ; : B' =E' 3 : : C '
: : DC '< ' < ' A9 (<< C' 9'(; : AC(: 'A9 > '
C=96(%D< : 'B< (C (' A ;<@ ;' 6?? E' (; : @<(E

J5F =C=CB Z K C<(< F C B' :! : ; D : (99D ' : '@ : <: I' D< <[
(C E ! 9 (<: ' (C(<9 ' = : !9 : ' 6 : ((C AC '9@@6?<:B' < 'WT D< : '
! 9D' =<>C ?6 C B' 9 '(: : CD : (CB: 96(: '(9 ' : 6@ ;< (C '
C B' = : E9 B' (' : C ' C ?9?6 C(<9 ' ! && 000' ; : ' Y : ' <[
B: @E ; C 'C' <= C E C B' K 9 > ; 9?' C((C@ : B' C B' < ' C '
<DD: ' ?< ; ' ; ' 1 <<(C E ' < '!9 ' C(< ; ' C C E C B'
!C (E :U(B'!9 ' (A9 D< ; ' A<(; 'C' 6D=A 9!'=6 FC 9A '
!9 ' (; ' !!<@: 'C B'C ' F< ; ' @ ;99 ' A ;<@ ; ' (; : E 6??9 (' &&&$o' m O
. C<(?6 '+ ' K ' R Z ' 1 E ' ' (; : ' S 6 ?C ; C ' C ; <'
C B' T% D< : '9 ' (: ' 5 : C <' 1 C => ?6 ' < : ' : ' (C[
(<9 ' ' C=96(' D< : ' ! 9D' (; ' (9A ' C B' < '9 ' (; ' DC<
9CB' ! 9D' 9AF9 F (9' C(; ' ; ' C((: ' < ' C C F :'
F C< ' B< (<@(' ' C F: ' C>: ' A<(;' !< ; ' C B' A< B' !9A
(' :C 9

■ ,& ' R+S <C B: ; R ' E' (: ' 3 E 'WT& (D< : CF: '
C : : ' =6 FC 9A' C B' B ; D C C' 9A ' 9 :'
D< : ! 9D' (; ' (C(<9 ' : ' 3< C ! 9A ' (9' (: ' A : (
9!' (; ' (9A A ; ' C' DC > : (' 9 B ' A : : > E !9 ' (; :
C : 9!' ? 9B6@ : ! 9D' C ?C (' 9!' S=C B : ; C
C> ; (A9 D< : ' B< (C (' B6@ > C B' (: C ' DCE = : ; CB' < '
(; : '@9 B' :C 9 ' <' < ' C ' D ?9 (C ((CB: @: (: '
< ; C B: : ' C B' @9 (C< ' (A9 @9((9 ? : : +3CB"
B6 D' C B' 1 9!6 (' 9D ?C ER' C B' C ?< < F C B'
K : C < F' NC@(9 E' C 9' C 3< < F NC@(9 E ' 9(; ' <'
9 B' =E' A : <F ; '(< ' (; : ' !C@(9 EH

' RSV D< ; ' ! 9D' 6 6 FC=CB' +=E' DC<' (9 FC R' 9 @: '
C F: ' 1 < <(C E' (C(<9 ' FC < 9 :B' =E' (: ' 1 CB C ' (99 ? '
9A' FC < 9 :B' =E' C ' !C (E' :F<D : (' 2 ' <5C>'
=6 FC 9A' C(' :C<>(C ' ; C ,!' ACE ' C B' C(5C C ' 9'
< ? :@(<9 ' =6 FC 9A ' K ' ; ' @9< 6 :B< ' <(< ; '
C B' 2 C < <@@C @6 ' @E' ; ' ; 6FF : ' C< ' < ' 6 B: '
C ' C(: ' 29 <@: ' 9!!<@: ' C B' @9 (C< ' C=96(' ,0 ? < 9 :
' 9 ' (C B' @ : F ? ; !! : ' : (C< :B' : ' : ' S ; CB@ C"
=CB' ' CB 9< ' < F' 5C ' C C B' < ' C : :CB' V6C (: ' ' (C(<9 '
9!' (; ' <0CD) ' 5C C' < ' C=96(' &# D< : ' ! 9D' C (FC9 '
C C : ' (; ' : C ' ! 9 (<: ' ' < ' K CF 99 ' + 99 @<C C
< (<@(R ' B' <C< C' @<(E' < ' < ' 6< ' ' L ' ' '
C 6C E'C(' C <FC9 ' C C <' ' ; 9 9 '9!' C C f : C'(; :'
C : C ; ' :(; : ' C' :@: (E'!96 B:B' ; < (<C ' < CF:
WT

N 9D' ?? 9U ' ?? 9U

1 '(9 Z' NC : ' <D :

C ; 9 : Z ; 9 F ‹' (C‹ ' (9 C ; C=C ' (; : ' @ ; C F :' !9 ƒ ' , ' ; '
C ; 9 : ' & ##Œ' D < : ' :

' : A ' 96 (: ' =E' ' ' C B' C‡ ' E ' (9' ; D : BC=CB'
+& *0 D < : ® ' (; : @ :' =E' C ?6 (C C (C(:' E ' (9N : 9Q : H'
?9 : ' +%TP D < : ® ' (; : @ :' =E' 9 (; ' K : (: ' E '
(9' C ; 9 :' +##P' D < : ® ‹ ' C ' & , . ' D < : ' %&'W W' &Wd

' =E' (; :' + ' 1 ' E ' 5 ; C ‹® ' E -' C B' ' K
E ' & *0# D < : ' ! 9 D' 9 D =CE' ' OWHT

C : F : ' =E' (; ‹ ' 96 (:' @C ' C C ' (; : D : ' '
9 !' (; :' (; 96F :' @C ‹CF : ' A ; ‹@ ;' 6 ' BC‹ E' =: (A : : '
9 D =CE' C B' C ; 9 : ' D ‹(C ' +V ' d' ‹ ' ‹ *W D < : '
! 9 D' C ; 9 :' C ; 9 :' ‹ ' (; :. @ ; ‹ : !' @‹ (E'
9 !' (; :' 6 ‹C= ' ‹(6C(: B' C=96 (' (A 9' D ‹ : ' :C (' 9 !'
(; :' ‹ : ' C : : ' (' ‹ ' C' A C : B' @‹ (E ' K ‹ (; ‹ '
(; :' N 9 (' ‹ ' (; :' C C@ :' 9 !' 6 : : (' ‹ F ; ' 9 D :'
?C (' 9 !' (; :' 6‹ ' 9 !' A ; ‹@ ;' = : C ' : ‹B : @ :' 9 !' (; :'
F :C(' =: C6 (E' (; C(' D 9 (' ; C :' @ ; C C@ (: ‹ : B' (; :' A ; 9 :'
: : :' ‹ ' C 9' (; :' 3 :C(CB ; C ;' 1 9 V6 : ' =: ‹: :B' (9'
; C :' = : : ' =6‹ (' =E' 6 D FQ : =: ' K 6Q : : ' S ; C) '
1 9 V6 : ' C B' (; :' 9 9 C' 1 9 V6 : ' @ 9 '(; :' C :' +=E'
= ‹BF : '9 !' =9C(ƒ ‹ '(; :' ; C ;' 6 C' 9 ' 1 C6 9 : 6D' 9 !' (; :'
D ?: 9 ' 5 : =C F : : ' (‹ ' C' D 9 6 D : (' 9 !' F :C(' = : . 6 (E'
9 (A‹ (; (C B‹ F' (; :' ?C‹ ' (; C(' C ?? : C ' (9' ; C :' = : : '
(C > : ' (9' B : (9E' (; ‹ ' (6 >' DC‹ ?‹‹ @ : (' A 9 >' 9 !' C (
; :' 1 C6 9 : 6 D' ‹ ‹(6C(+7)B' ‹ ' (; :' @ : (:' 9 !' C' FC B : '
9 !' 9= : ' B‹ D : ‹9 ' A ; ‹@ ;' ‹ ' C‹ B' 96 (' ‹ ' = : C6 (‹ !6 '
AC > ' C B' ? C (: B' A‹ (; ' 9 C F :' F 9 : ' ; : :' C :' C'
6 D = : ' 9 !' ‹ @ ‹? (‹9 ' 9 ' (; :' = 6‹ B‹ F ' ‹ ' 1 9 C‹@ ' 9 !'
D 9 (' : C=9 C (:' A9 (. D =‹? ' (; :' : (: @ :' H 5 : =C F : :
' V6 : 9 '9 !' (; :' K 9 B ' Y' = : ‹ F‹ C‹B' ‹ ' A ; ‹(: ' DC = :
; :' L + 2' 9 '' C A : ' (9' (; ‹ ' (9D = ' ' ‹(6C(: B' =6 (' C'
; 9 ('B‹ (C @ :' ! 9D' ‹(' :(6 ‹ F' (9' C ; 9 : ' (; : ' C :'
(; :' ; C ‹DC ' 3C B: ' 2 9 6 :' 9 !' 59E' 9 !' ; C ; ' 5 (= C '
B‹ (C (' C$96 (' (; ':' D‹ : ' 9 (; ':C (' : : :' (: C@ : '
‹ . ' 9 : C=9 :' (; ' 9 (; : ' C B' 6D : 96 ' !96 (C‹ ' ; :'
1 9 (F9D : E' 2C ' C B' (=:' 1 6 : 6D' :?CE ' C' ‹ ‹(
: : C ' =9 (: ' 1 : C ' 1 : : ' 9D :' !96 ' D‹ : ' ‹ ' (=:'
D‹ ‹(C E' (C(‹9 ' K C‹(‹ F'C B' :! : ; : ': (' 99D

‹C ‹(?6 Z5 ; C ‹' ; 9?9 ' :@(‹9 '+ ' K ' ® ' C F :' @‹ ‹ '
(C(‹9 '#T D‹ : ' ! 9D' 5 ; C ‹' !D :' !96 ' D‹ : ' &'&W
N 9D' (C 6 @('9 ' &OW D‹ : ' N '&&'T C B' '#'&& '
: ?6 (E' 9D D‹ ‹9 :) ' 6(@ : : E' 5C‹ ' 2 9??‹(C 6? ‹ "
(: ' : ('9!' 9 ‹@ :) ' !!‹@ : ' :C 6 E' C B' 3C B: ' 2C 'C'
BC > ' =6 FC 9A' ‹ ' (; :' ; :C ('9!' (; :' (C(‹9 ' ;‹ ' (C(‹9 '
‹ ' 9 :'9 !'(; :' ? ‹ @‹?C '9 ' (; :' 5 ; C ‹' ; 9?C ' :@(‹9 ' 9 !'
(; j' B‹C ' 1 ‹B C B' E ' C6F9 'C' B‹ (C @ :' 9 !'#,' D‹ : '
D : (C :B' C B' = ‹BF : B' 9CB ' ; : ·' C :' (A 9' BC > ' =6 FC[
9A ' C(' C BC ‹' C B' 1 6 ; =9 : ' C' B‹ (C @ :' 9 !' &,' C B' *O
D‹ : ' : ?: @(‹ : E' ! 9D' C ' F9 ' ‹C F :' V6C (‹(‹: ' 9 !'
=9(; ' D C 'C B' = ‹F' FC D : 'C‹ :' ? 9@6 C= : '‹ ' (=:' ; ‹ ' C B'
6 F : ' '(; ‹@ > E' : 6 96 B‹ F' (; :' (C(‹9 ' ; :' @ ‹DC (:'
9 !' C ‹(?6 '‹ ' F ‹ ; '! 9 ('C B' ‹@ :' B6 ‹ F' (; :' @ 9 B' A : C[
(; : ' D 9 (; ' N9 ' (; :' 96 :E' (9' 5 ; C ‹' + '5 ; C ‹

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?? 9U' ?? 9U

1 '(9Z' NC(: ' \D:

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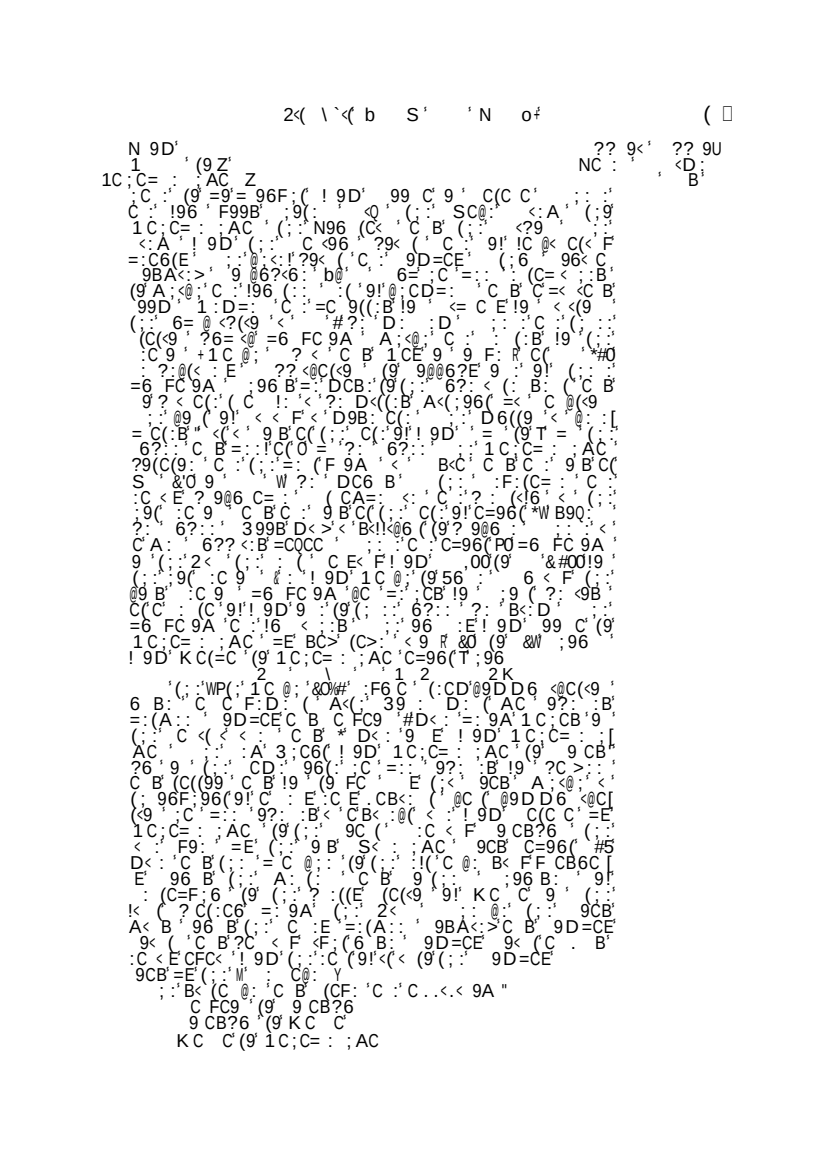
< (: : (' C : Z ' ;:' \>?9 ;C' NC C@:' =6< (' =E'
CAC=' <Q<: ' CCBC(' E' S ;C ' < '&000' <' 2 : E'
2C : 9@>'B<:B';: :'9 '(;:'W&(;' S: :D=: '&O#%' W' -'
4C (< <: :' 9 :F:' =6< (' < '&%P*' =E' 3: : C' C6B:'
1C (< 'A ;9' @CD :' 96(' (9' B<C' C 'C' ? < C(:' 9 B<: '
C B'AC '=6 <:B'< 'C' C6 ('6 B: '(;:'=6< B< F ' *' ;:'
K F! : B' C >' =:C6(<!6 E' C<B' 6(' C B' <@;' < ' <('
!: : E' b@' ,' ;:' :@6 B C' CF;' 9 '(;:' 39 '
:DD: (' 29 (<@6 (6 C' 3C B: ' A ;: :' B6 < F' (;:'
D6(< E'W000' D6(< :: 'A: :'><: B' A<(;< '(;:' ?C@:'9!'
C'@96? :'9!';96 '=E'(;:' P* B'N99('C B' (;:',(;' <.='
<! : <'6 B: '(;:'@9DDC B'9!' <' 9 <' CD?=: '#' ;:'
: <B: @E'+ 9A'< ' 6< R'C B'C 9' C< ::' 36C B' 3C(:'
CD:B'C!(: ' 9 9 :' C< ::' ;:'@:D:(: E'9!'(;:' 6 [
!9 (6 C(:' C< ' C' :C '(;:' : <B: @E' ('AC '=6< (' =E'
CAC=' CCBC(' E'S;C '< '&000'C B' @9 (C< :B' 9 E'
PW%' >< 9?:C ' A;: '=: <:F:B'=E'(;:'D6(< :: ' ;:'
;9('C B' ;: 'DC > '@C 'E:(' =:' :: '9 '(;:'AC '9!'(;:'
;96 : ' A;<@;' C :' < (C@(' T' ;:' N9 (' ;C ' 9A' =:: '
B:D9 < ;:B' 6@;<' ;CAC '< ' A;<@;'< 'C 9'(;:'F :C('
DCD=C C 9 '? C@:'!9 '@C (:'D::(< F 'C B'!:C ('=6< ('
B6 < F'(;:F :C('!CD< :'C 'C' : <:!'K9 >'C B'@9D? :(:B'
< '&%O,'C('C'@9 ('9!' f&0 000 000'< 'A: 'A9 (;'C' < <(' 9'
A99BA9 >';C '=:: '6 :B' < '<(' @9 (6@(<9 'C B' <('< '
C<B' (9' @9 (C< '(;:' C F: (' ;C ' < '(;:' @96 (E' (;:'
AC '9!' A;<@;'C :' &T !::('< '(;<@> : ' %' 299 :< '
C=CB'9 '(;:' C C@:'9!' <F;('=6< ('< '&O&O'=E' 1C;9D:B'
' ;C' !96 (;' S< F' 9!' 6B;' ' (;< '=6< B< F'C :'
? C@:B' 9D:' : E' C :'C B' @9 (E' @;C B: <: ' ;:'
F C : '9!' <'2: E' CA : @:'3: : C' :< 'C B'1C 9 '
C > 'C :'< '(;:'@;6 @;EC B' CB 9< < F' (;:' : <B: @E
;:' M' C<Y' + :BR' C CBC <' ;C ' =:: ' :(' C?C (' :U''
? : E' !9 'C' D :6D 'A;: :' C '(;:' !C6 C' C B'! 9 C'
9!' (;:' 'K ' ' C :' :C(E' C C F:B' ;: :' C :'
: : C '9(;: '? C@: '9!'< (: : ('CD9 F ('A;<@;'DCE'=:'
D: (<9 :B' (;:' ;6((: '1 6 Q< ' ;C' C.<:<?' 19(:9'
1C;C ' S;99 ;<B' 16 Q< ' C < F' 9 :F:' SC< : '
CF;' 9 ' <BF:' 2CQ C(' CF;' ;:: ::=CF;' (;:'
= : C(9 E'(;:'1:D9 <C 'b@' 29(: 'S6 9?9C 'C B'
C(< :' 9EC '29(: ' 6@> 9A

6B;<C CZ ; 96F;'(C< '(9' C;C=CB'(;: '@;C F:'!9
6B;<C C'&,,W D< : ' &0P'T'

9'=E' 'C B' ' '(E'(9' =D:BC=CB'&*&O D< : R'
(;: @:'=E' C ?6(C C' (C(:'(#' ' : ;<'+#OO'D< : R'
(;: @:' =E' (;:' 9 (;'K: (: ' E' (9' 6B;<C C'
+W*W D< : R'< 'C '&&WW D< : ' '%O'*' W'

'=E'3' ' ' E ' '1-' ' -'C B' 'K 'SE 'B< [
(C @:'&&OP' D< : '%#'W

C : F: '=E'(;<' 96(:'@C 'C C<' (;:D : :'9!'
(;:'(; 96F;'@C <CF:' 6 < F'=:(A:: ' 9D=CE' C B'
C;9 :

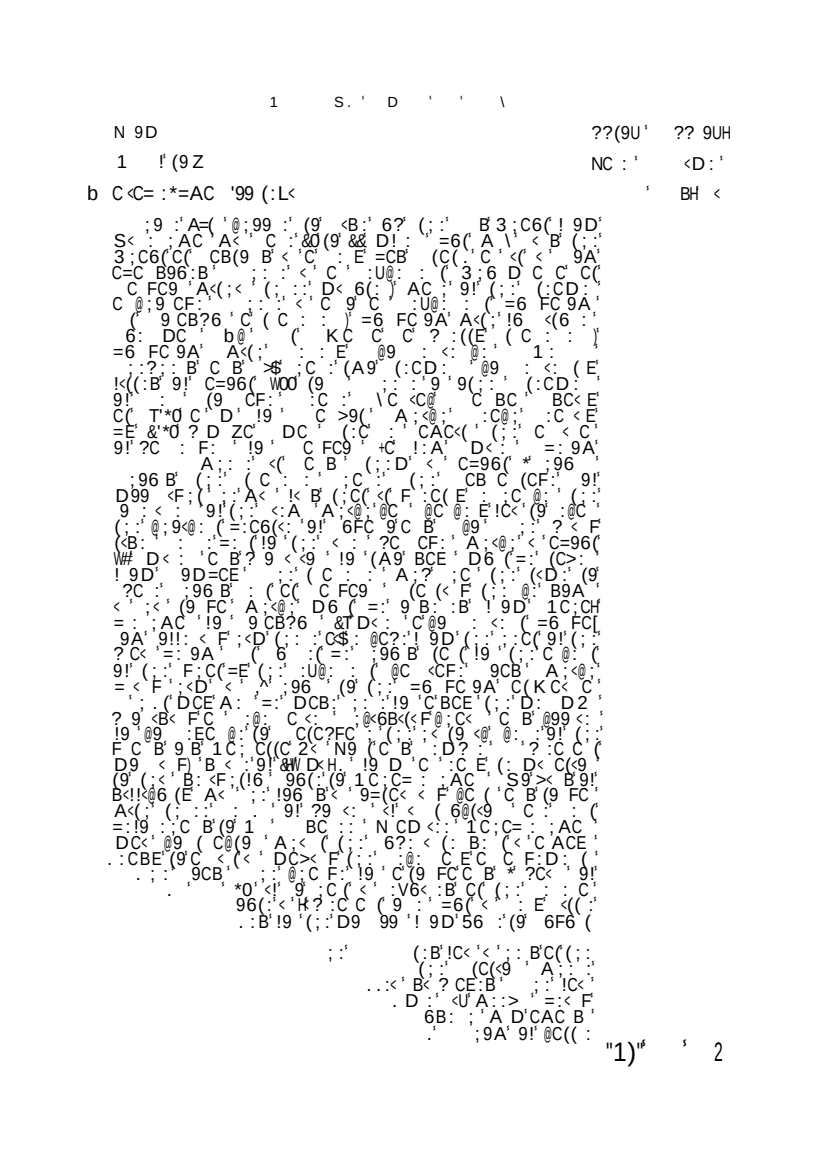


1 S. ' D ' ' \

N 9D ??(9U ' ?? 9UH

1 !'(9Z NC : ' <D : '

b C<C= :*=AC '99 (:L< ' BH <



;9 :'A=('@;99 :' (9' <B:' 6?' (;:' B'3;C6(' ! 9D'
S< : ;AC A< ' C :'&0(9'&& D! : ' =6(' A \' < B' (;:'
3;C6(' C(' CB(9 B' < 'C' : E' =CB' (C(: ' C ' <(' < ' 9A'
C=C B96:B' ; : ' < ' C ' :U@: : (' 3;6 D C C' C('
C FC9 ' A<(;< ' (;:' D< 6(:' ' AC ' 9!' (;:' (:CD:'
C @;9 CF: ' ;:' < ' C 9' C ' :U@: : (' =6 FC 9A '
(' 9 CB?6 ' C' (C : :) ' =6 FC 9A' A<(;' !6 <(6 : '
6: DC ' b@ ' (' K C C' C' ? :((E' (C : :)'
=6 FC 9A' A<(;' ' : : E' @9 : <: @: ' 1 :
: :?: : B' C B' >$' ;C :' (A9' (:CD: ' @9 : <: (E'
!<((:B' 9!' C=96(' W00' (9 ' ;: : ' 9 ' 9(;: ' (:CD:'
9!' ' (9 CF: ' :C :' \C <C@ ' C BC ' BC< E'
C(' T'*0 C ' D ' !9 ' C >9(' A ;<@;' :C@;' :C < E'
=E' &'*0 ? D ZC' DC ' (:C ' ;' CAC<(' (;:' C < C '
9!' ?C : F: ' !9 ' C FC9 ' +C ' !:A' D< : ' =: 9A'
A ;: ' <(' C B ' (;:D' < ' C=96(' * ' ;96 '
;96 B' (;:' (C : : ' ;C ' (;:' CB C (CF:' 9!'
D99 <F;(' ;:' A< ' !< B' (;C(' <(' F ' :C(E' : ;C @;' (;:'
9 : < : ' 9!' (;:' <:A ' A ;<@;' @C ' @C @: E' !C< ' (9' :@C '
(;:' @;9<@: (' =:C6(<: ' 9!' 6FC 9'C B' @9 ' ;:' ? < F'
(<B: ' : ' :'=: (' !9 ' (;:' < : ' ?C CF: ' A ;<@;' < ' C=96('
W# D< : ' C B' ? 9 < <9 ' !9 ' (A9' BCE ' D6 (' =: ' (C>:'
! 9D' 9D=CE ' ;:' (C : : ' A ;?' ;C ' (;:' (<D: ' (9'
?C :' ;96 B' : (' C(' C FC9 ' (C (< F ' (;: @:' B9A '
< ' ;< ' (9 FC' A ;<@;' D6 (' =: ' 9 B: :B' ! 9D' 1C;CH'
= : ;AC ' !9 ' 9 CB?6 ' &T D< : ' C' @9 : <: (' =6 FC[
9A' 9!!: < F' ;<D' (;: :C<$: @C?:' ! 9D' (;:' ;C(' 9!' (;:'
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9!' (;:' F;C(' =E' (;: :U@: : (' @C <CF: ' 9CB ' A ;<@;'
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' ;:(' DCE A: ' =:' DCB: ' ;: :' !9 ' C' BCE ' (;:' D: D2 '
? 9 <B< F' C ' :@: C <: ' ;@<6B<(< F' @;C< ' C B' @99 <: '
!9 ' @9 :EC @:' (9' C(C?FC ' ' (;: ' ;< (9 <@' @: ' 9!' (;:'
F C B' 9 B' 1C;C((C' 2< ' N9 ' (' C B' : D? : ' ? :C C ('
D9 < F) B < ' 9!' &W D< H. ' !9 D ' C ' :C E' (: D< C(<9 '
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B<!!<@6 (E' A< ' ;:' !96 B' < ' 9=(C< < F' @C (' C B' (9 FC '
A<(;' (;:' : ' 9!' ?9 <: ' <!' < (6@(<9 ' C : ' (
=:!9 :' C B' (9' 1 ' BC :: ' N CD <:: ' 1C;C= : ;AC '
DC< ' @9 (C@(9 ' A ;< (' (;:' 6?: < (: B: (' < ' C ACE '
.:CBE' (9' C < (' < ' DC>< F' (;: ' @: C E' C F:D: ('
. ;: ' 9CB ' ;:' @;C F: !9 ' C' (9 FC' C B' * ?C< ' 9!'
' ' *0' <!' 9 ;C (' < ' :V6< :B' C(' (;:' : ; C '
96(:' < ' H ? :C C (' 9 : ' =6(' < ' : E' <((:'
.:B' !9 ' (;:' D9 99 ' ! 9D' 56 :' (9' 6F6 (

;:' (:B' !C< ' < ' : ; B' C(' (;:'
(;:' (C(<9 ' A ;:'
.. :< ' B< ? CE:B ' ;:' !C< '
. D :' <U' A :> ' =:< F'
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.' ;9A' 9!' @C((:

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&OOP' < (C @:'&O&^ D<::' ?::B'&#D<:'?:' ;96
;C F:'@C <CF:'!9 ':<(;:' C;C=CB' 9 '56==6 H'
?9 :' ' DC 'AC<(< F' 99D

1 C CCBZ E'(;j3' ' E'<:.'&TW D<: ' KC<(< F'C B'
: H@ ;D (' 99D ' C;'=6 FC 9A'C B'D: DC '56 @(<9 '
A<(;'(;:' ;9 B'C B'1C DCB' (C(:' C< A. 'A;<@;'!9 D '
C'@;9 B'<:'&,T'D<:'9 F'=:(A::'(;:' ' 'C B'O' f '
:@(<9 '9!'(;:'3' ' ' E' ;:'@<DC(:'<':U@: :(.'
C B'C' :(' @CD?'!9 ' C(<:'(99?'B6<F'(;:'(99?'
<F' :C 9 96(;'9!'(;:'<:'9 'C '<9 C(:B';< '<'C'
C(6 C'9=:<>'9!'(C?' 9@>'!9D'OO'(9'PO'!::(';<F;' E96 '
D<:'(9'(;:'C (9!'(;:'<:'<'(;:' >C<' C ><N9 (' 9A'<'
6< 'C'!:A' :E'96F;E';:A '@C :'(9'=:'::'C B' : :C'
C(6 C' : : 9< '9 '(;:';<' ;:'=:(' KCE'(9'C @: B'<'
9 '(;:' 9 (;':C (' <B: ;:';<'<' D6@;';<F;:'(;C '(<<:'
!CD96' 9A C(C=CB' N9 (' ;:' CFC '1C:FC9 ' 9CB'
?C :'(;<'(C(<9 ' ;:.:'<'C' 9 (' !!<@:';:' :(A::'
:9 C' &O' D<:' C B' 6 (CD=:;' ,& D<:' ;9 B'C B'
1C DCB' E ' :C'(;:'<:' 39BC :E' F99B' C (:9?:'
;99(< F' C B'AC(:'!9A ' (' (<D:'F99B'?9 <:'C :'(9'
=:';CB' C(' (;:' :9 C' A::>E'!C< ' ;C F:'@C <CF:'!9 '
;D:B CFC 'C B' ;9 B' ' & `$W' 0 & , d

1 C 9 C'+ < BRZ 1C 9 C' 9< (' <'C' 9A';<'9 'A:('9!'
S6 C@;::';C =96 'C(' (;:' : (C @:' ('<'@9 :@(:B'
=E'C' C BE'<(;D6 'A<(;'(;:' DC< C B' ;:'<F;(H'
;96 :'9 '(;:'?9< (' ;C ' C'!<U:B' A;<(:' <F;(' &,O'!::('
C=9 :';<F;'AC(: ' ;:'<F;('<' <<= :'<'!< :'A:C(;:'
C=96('WO'D<: ' ;: :'C :'C'!:A'=6 FC 9A 'C('1C 9 C'
!9 ' 9 ('9!!<@: 'C B'9(;:'9!!<@<C

1 C >UDB<Z E' ' ' E ' &O'D<:'!9D'1C <@>?6 'C B'
&#%' D<:'!9D'56==6 ?9 :'A;: :'(;:'!< :(' C B (9 :'
<' B<C'<'?9@6 C= :'C B'A;<@;';C '=:: '6(<<Q:B'=E'
(;:' B<C '1<B C B' C< ACE' 9D?C E

1 C(;: C Z E'3' ' ' E'(9' SC : ' #,'D<: ':
;: @:'(9'1C(;: C '=E'?C >::'9 '?9 E' 1C(;: C '<'
C'= ::QE';:C (;E';<' (C(<9 'C=96('W#OO'!::('C=9 :'(;:'
:C' : : ' D<: '!9D' C :' (C(<9 '9 '(;:'3' '
A;<@;'<' T,' D<:'!9D' 9D=CE' '(C<' (9?' C('
C :' ;:'<' 9'?9< (' 9' :C '(9' 9D=CE' 9'A:'
6<(:B'!9 'CB:B'C B' 6 'B9A ' 6 9?:C ' ('<'C 9'
:C <E' :C@;:B'!9D'(;:' :@@C ' C B'<!' 'CB C (CF:'
C 'C';<' : 9 ('A: :'=:((:'> 9A '<('A96 B'=:'D9 :'
!:V6: (:B' A< F'(9'(;:' C(6 :'9!'<(' 9<'!: :'<'
6 > 9A '(;: :' (;96F;'(;:'?CF6:' CF:B'!9 '(A9'
6@@: <:' :C 9 'C ' 96 B'(;<' ?9('!9D' 9D=CE'9 '
9 :' <B:' 99 C'C B'(;:' :@@C '9 '(;:'9(;: ' 9('9 :'
<F:'@C :'9@@6 :B'(;:' (' ? : : (' 1C(;: C '<C'
@;<:!<E'> 9A 'C 'C' : 9 ('B6 <F'(;:' (<!<<6F';:C('9!

G G ' @ G 11' - . ' F

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1 '(?'

<.C : ' <D

'<(' B ' =

:=:'? C< 'C B'9!' 9D=CE' C B' (;:' <((9 C ' 9 : :B'
< =:C \ !6 '(:: $(>:' ;C6 ('9!' 9 ? =< B 'C B' ;C D : '
A< B' D9 >:E ' <(' 9 F' ;CBE' ?C(; ' :CB' (9' ?9< ('
A ; : @:' C (' DCF <!<@: (' <:A ' DCE' =:' 9=(C< :B '
; :' ;C =96 '9!' 9D=CE '(;:'? 96B'@<(E'<(: !';<C('(<D: '
A9 B: !6 <E'@ :C ' (;: ' AC > 'B:=96@=:'6?9 '?9D('
: :C < F'C '(;:' 6FF:B'F C B:6 '9!'(;:'F;C6(' : '
< '(;:';9((: ('A:C(;: '<('< '?9 <= :' (9' AC >' C=96(' !9 '
C'F99B'?C ('9!'(;:'BCE ' ;: :'< 'C' :C(' <((:'@;6 @;'9!'
F C B ' C' 9DC ' C(;9 <@' @;6 @;$'C'=CQCC ' A ;: :'
6 9?:' (9 : '@C '=:'9=(C< :B ' ;:' 6?: < (: B: ('9!'
1 C(=: C '< 'C'D:B<@C ' DC ' C B' CB 9< < F' ;< ' 9<!<9:'
(;: :'< 'C' < ?: C E'C' : :F C?;' C B' C' 9 (' !!<@: '
: (C E' <(6C(:'9 '(;:'?< (:C6'C('(;:';<F;: (' ?C (' 9!'
1 C(;: 'C 'B9D< C(:B'=E'(;:' :C' = :Q:' < ' (;:' <. =E'
2 9(: 'C ':U(: < :'@9 :@(<9 '9!'C< E'C B' @9D D9B<96 '
= 9@> '9!'B:(C@;:B' C B' :D<'B:(C@;:B' =6 FC 9A ' !9 '
!CD< <: ' A<(;' 9A ' 9!' =C@;: 9 ' V6C (: Z@ 9 :' (9'
;6 @;'3ED>;C C'C B' 6?: < (: B: () '=6 FC 9A ' b@ '
:? :(:' A<(;' @9D!9 (' C B' 9@@6?E< F' C' ?C@:' 9!'
F 96 B ' ;:' 6F=E'< 'C'= C @;'9!'(;:' 99 C' 2 9(: 'C B'
C?? <@C(<9 '!9 'C@@9D D9BC(<9 'DCE'=:' DCB:' C(' :<(;:'
;9(: ' ;:'3 C < :' 2 9(: '< ' :C : '(9' C : ' (;C ' (=''
C (' CD:B' C B' ?9 : : ' : E' F99B' C@@9D D9BC(<9 '
;:'3ED>;C C' 2 9(: ' ;C '=:: ' :@: (E'9?: :B' :C '(;:'
? C@:' A ; : @:'<('B: < : '<(' CD:'C B ;C ' C@@9D D9BC[
(<9 '9!' C' F99B' >< B' !9 ' 6 9?:C ' ;:' C : B9 '
?< (9'C B' :UC B C' 2 9(: ' C :' <(6C(:' (; 9 ' F ;' (;:'
=CQCC 'C B'C :' 9A'@;<:! E'?C(9 <Q:B'=E'(;:' C :: '
;:' =: ('I <@(9 ' 2 9(: '< '!9 ' C :: 'C B' 1 C;9D:B''
C ' C B'(;: :' < ' C 9' C' 2< B99' 2 9(: ' D9 F' (;:'
C((C@(<9 '(;C(' 1 C(;: C '?9 : : '!9 '(;9 :< ' :C @;'
9!';:C (;' < ' <(' :U@: : (' C B' ?6 :' B < >< F' AC(: '
=(C< :B'! 9D' D96 (C< ' ? < F ' ;:' AC(: ' 9!' (;:'
? < @<?C '9 : ' 1 C :(' ? < F' < ' <F;(E' !: 6F< 96 '
=:' 9BC' AC(: '!C@(9 E'9!' (;:' 6F?E' 2 9(: ' ? 9? <:[
(9 ' A ;<@;'< '!<((:B' A<(;'(;:' C(: (' B'=: (' 1 C@;< : E'
! 9D' F C B ' 6 : ' 9 E' 1 C :(' ? <<.' AC(: '< '(;:'
? 9B6@(<9 ' 9!'C: C(:B' AC(: ' 6< B< F ' ;C :' =:: '
!!9' F' 9 ' !9 ' 9D:'E:C ' ?C (' C B' (;: :' C :'6 6C E'
=6 FC 9A '(9' :(' !9 ' !CD< <: ' ;: :' C : ' C ' C' 6 :'
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6!!<@<: (' < <(9 ' ! 9D' 9D=CE' (9' 1 C(;: C ' @C '
:C :'=E'(;:' W'*O'? D ' (C< ' C B' :C@;' 1 C(;: C ' (;:'
CD :' : < F' 'C <F;(< F' ! 9D' (;:' (C< ' (;: :' < '
(;:' 96 :E'6?'(;:' 1 \ '(;:';:C('9!'BCE' A:C < F' 9!!' C '
(;:' 96 :E'? 9@::B Z C'?<@(<< : V6:' < (: : (< F' 96 ''
: 'D 9 (' 9!' <(' C'F CB6C' C B':C E' C@@: (' :D= C@< F'
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;:'@;C F:'!9 'C'(9 9 '9 '?C >< ' < ' 'O' !9 ' C' <(D '
@;< ' 9 ' < <@> ;CD ' 'B@ !. ' C' ?9 E' !9 ' C' CBE'9 '
F: (:D: H' 'D @C B'!9 C' : C ()'?9 E' '&'*' ;V

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:V6< :B' C@:9D 9BC(<9 '(9' D : :(' (; :' (C< ' 1 ' 9A 9H '
: :' 1 C :> : :' C : ' < ' @;C E:' 9!' (; :' :! : ; D : ('
99D '< ' (; :' 9D ?C E '!9 A C B< F' CF: (' !9 ' ?C @: ' '
; :' A< ' ? 9 <B:' ?9 <: ' C B' @99 \ : ' A ; : ' :V6< :B ' ; :'
@; C F:' !9 ' C' @99 '< ' C C '

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; 6 B: >6 B ' C B' < ' C '<D ?9 (C (' (C(<9 '9 ' (; :' ' 1
E ' = :(A : : '5 ; C <' C B' 2 C <@> ? ' +f ' ' 9?: :B'
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: '&' , O' (B< (C @: ' , O' D < : ' 9?6 C(<9 ' C=96(' W * . '
96 ' ; < ' < ' (; :' :U(' :C : (' C< A C E' (C(<9 ' (9' (; :'
1 < <(C E' C (9 D : (' 9!' 9A F9 F' +V ' R ' 2 C ?C ?6 '
< ' (; :' :C : (' +V R' ' C F: ' @ :C ' C6B' A : ' B C< :B'
1 6 <@<?C ' (9A ' 2 C < F' < (' :?6(E' 9 :@(9 ' C ; H'
< BC ' C(< :' 1 :B<@C ' ! @: ' 9 (' C B' : :F C?: '
(' @: ' C>' 6 FC 9A' C B' C' 39 : C:6(' FC B: H
9 :EC @: ' 9=(C< C= : ' 6?? <: ' ? : (<!6 ' ; < '
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8' 9!' (< : E' C B' :F<D : (' 9!' =9(; ' F < ; ' C B' C(< :'
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+V ' R ' < ' * O' D < : ' 9 F ' ' (9' ' C B' TO' D < : ' = 9CB
' (9' K ' C B' @9 (C< ' & TW#' V6C :' D < : ' ; :' 6 9[
?: C ' (9A ' (' ; <>C BC ' A 9' 99>' @6(' (: D ? : ' 6B : E'
< ; :B ' @C ' ; :' : : ' :C ' 1 C @ C ' ' ? < F' + 9('
!C ' ! 9D ' (; :' @C : R' M C=96(' #' U' # < ' : : ' B E).' ; :'
!9 (' 9!' C C C' +V R ' =6< (' 9 ' C' ; < ' * &T&' ! : : (' C=9 :' (; :'
: C' < ' A 9 (; ' : : < F ' C B' ; C ' C=96(' (; < (: : ' D < : ' 9!'
C D ?C (' (A : (E' 9 :' FC(: A C E ' C B' < : (: : ' (C >
; :' ; C 6 ' FC(:' 9!' A ; <(:' C B' (9 :' < ' @: (C< E' C'
A 9 >' 9!' C (' U(C@(' ! 9D' (; :' S 9 C ' C :' @6(' < (9' (; :'
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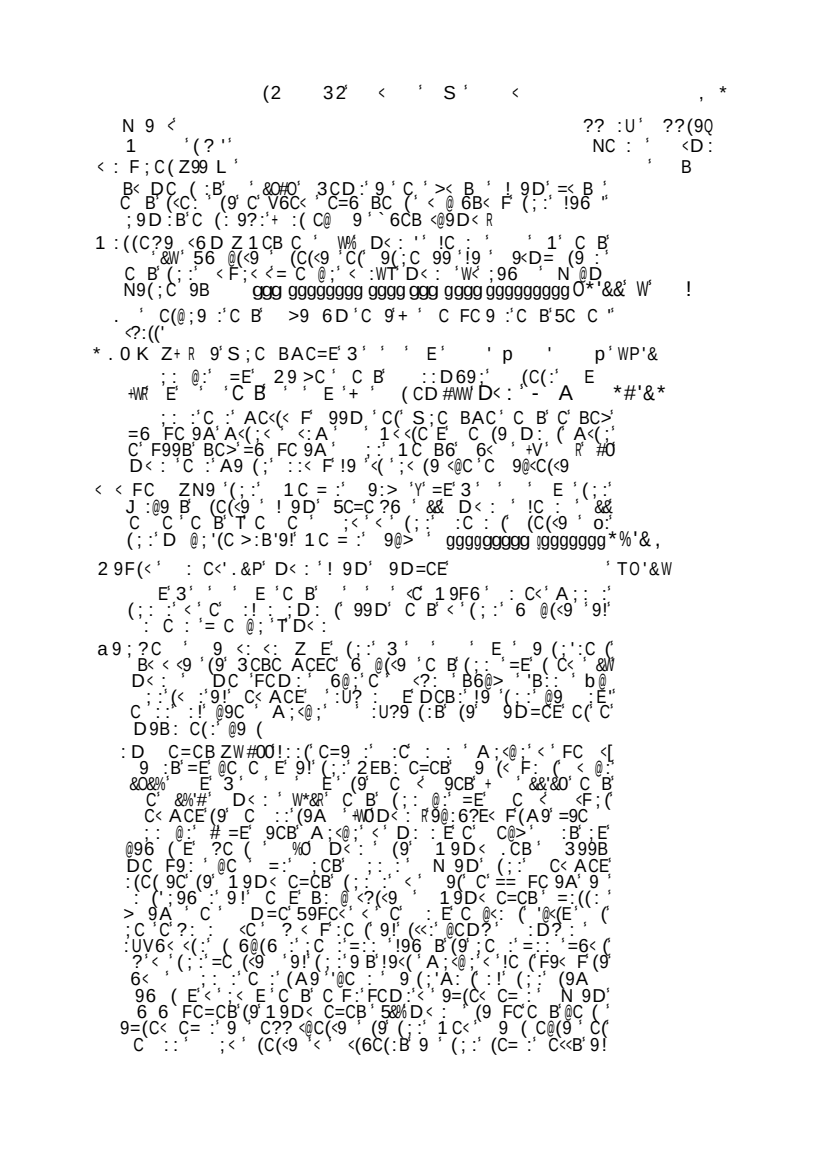

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< F' 99D 'C'(; :' (C(<9 ' &WPHT' , ' !
: A' 96(:' ; E' ' ' b' ' ' E ' (9' =D :BC=CB '
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6 B C 'C B3 ; CQ<C=CB' 56 @(<9 j ' (' HH
1 9 D 6 F C 9 Z . ' D < : ' 96(;' 9!' 39C ' 2 : CB 'VCC (: C'9!' (; :'
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< ;C '(: D ? : 'C'B< (C @:'9!'C=96(',' D< : '(; :' 9CB'< ' : :
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; :' @;<:(. : ; C (' < ' 1 ' N CD : :' 6 : AC ::'
A ;9' : ' 6 9?:C ' (9 : ' : ;' C 9' : ' A< : ' ?< <(E'
S C(:B' AC(: ' ? 9 < <9 ' b@ ' 9??9 <(:' (; :' @;6 @;
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; C ?: ' <(' < ' 9 F' C@$B C 9A' (; :' : F(; ' C(' (; :'
(9?' =:< F' &,' D< : ' A ; < :' <(' < ' 9 E' W (9' ' D< : ' < '
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- ' ' = 6 Z@9 (B' ' B' R6

!(; :<F ;(' 9!' #T#*' ! : : (' C=9 :' (; :' :C ' ; :' 2 : <B: @E ' A ; <' ' <(6C(:B' :C ' (; :' 96(=' A . (' : B' (; :' =< ' <' ; C ' &OOO ! : : (' C=9 :' (; :' :C ' : : :' <' 9' @C (9 D : (' Ò ' 1 96 (' =C ' =6(' C' D C ' ?C (' 9!' (; :' =< ' ' : (:B' ! 9D (; :' 6 =C ' C B' =C <C@> ' !9 ' <@> ' 9 B<: ' ; C :' =: : ' @9 (6@(:B ' ; :' C(6 C ' ! : C(6 : ' 9!' 1 96 (' =6' C :' : E' =9 B' C B' (; :' 9?: ' :U(: D : E' ? :@<?<(96 ' ; :' (C : : ' A ; : 'C @: B< F' (; :' D 96 (C< ' @C ' ; C B E' !C ' (9'=:'<D? L .O :B' A<(; ' (=:' F C B' C B' =: C6(<!6 ' @: : E ; :' F<FC (<@' D C :' 9!' EC <(:' 9@>'(9A : < F' C 9 F'(; :' @ : ('9!'(; :' :< 'C :' ?:@<C E' (<>< F' C B' C :' < ' D C E' @C :' 9' A :C(; : 'A9 ' C ' (9' ? : ; (' D 9 (' !C @<!6 ' C B' A :< B' ; C ? . ' '? C@: ' (99' (; :' !C@:' 9!' (; :' @ <!! ' ; 'C ' =: : ' A 9 ' < (9' 96 B:B'@C : 'C B' ;9 ' : :D=<< F'(; :' :@(<9 '9!' !(C F: E' D CF <!<:B' ?9 F: ' ; :' 6><' C C9 <(6C(:B' @ 9 :' (9' (; :' +B <' (C(<9 ' <' C !< :' ; : :(' 9!' A C(: ' C=96(' ; C !' C D< : ' 9 F' C B' C' V6C (: ' 9!' C' D< :' = 9CB' ; :' @ <DC(:' 9!' =6' < ' CF : :C= :' C B' ; :C (; E ; :' (:D ?: C(6 :' : B9D' < : ' C=9 :' POh' ' C B' 9 A < F' (9' (; :' B E : ' 9!' (=:' C< ' C B' (; :' ? : C5: @ ' 9!'C'@99 ' = : :Q: ' (; :' ; :C(' < ' 9('(E< F' =:' ; < : ' C B' (:D ? : ' D 9 ('A 9 (; E' @!' 9(: ' C :' (; 9 :' C(' 3 6 6' <> @ ; FC ; ' 3 C ' 1 6 >; ' C B' \ AC C ' =:' ; < :' C(' 3 6 6' = ; C ' 9' C @ ; <(:@(6 C ' = : C6(E ' =6('< ' @ :C ' A :C(; : ' C ' C @: ('9!'(; :' ? : C> <' :' :?C<B' =E' (; :' D CF <!<@: (' <: A '9=(C< :B'9 : ' (; :' 6 96 B< F' @96 (E ' :' (:D[? : 'C(' @; <<FC ;' C :' A 9 (; 'C' + ' N 9D' C ' < @ <?(<9 9 '9 :'9!'(; :' ; < : ' (C?? : C ';(; C((; : E' A : :' :?C< :B' =E' C D C ' ; <' ; C C=6 E< ' ' &WP&' C B' 6BF< F' =E' (; :' ? C< 'C B' 9 <B' @9 (6@(<9 ' 9!' (; :' (:D 6 : ' (; :' !C@('9!'(; :< ' ; C < F'= : : ' :?C< :B' C=9' $(' ' &WOP A 96 B' ; 9A'(; C((; :E' A : :' =6< (C(C' D 6@; ' :C <: ' BC(: ' ; :' ; ' C(3CB' 1 6 >; ' <' . (6C(:B'=: 9A'(; :' 6D D<('9!' 1 96 (' =6'C(' (; :' 96(:' : B' 9!' (; :' < ' ; :' B: @: (' ! 9D ' (; :' @ : ('9!'(; :' ; <=' (9'(; :' ; < .:<' =E'C' 9 F'! <F ;(9!' : E' 96F ; 'C B' (: ?' (:? 'C('(; ' =9((9 '9!' A ; <@ ;' < ' (; :' 3C< 1 6 >; ' C' (9 :' :? : : (C(<9 '9!'C'@9A ' D 96(; ' (; 96F ;' A ; <@ ; ' (; :' AC(: ' 9!' C' @ :C ' ?: : <C ' (:CD ' ! 9A'< (9'C' D C ' : : 9< '@9 (6 :(:B' =E'C'!9 D : '@ ; <: ! 9!' < 9 ; <' ; :'@: := C(:B'5C< ' :D ? : ' 9!' <AC C' C :' <(6C(:B'C=96('C' D< :'(9'(; :' 9 (; ':C ('9!'(=:'@< <' (C(<9 ; ; :'C :'!96 '(:D ? : '< '(; :' F 96?' 9!' A ; <L' ; (A9' C :' !'@9D ?C C(< : E' :@: ('BC(: 'C B' ; C < F' 9'C @ ; <(:@(6 C' = :C6(E' :V6< :' 9' ?:@<C 'C((: (<9 ' !'(; :' L . ; : ' (A9 :'AC '@9 ('6@(:B' =E' <DC ' ; C ; 'C' = >: '9!' 36 : C(' C=96('' 0 &0*0 'C B' < ' B<B<@C(:B' (9' < C=B: C' ; :' 9(; : 'AC '=6< (' =E' (; :' 9(; : ' :' C 'C B' C (9?C' C=96(' ' &W*T'C B' < ' B:B<@C(:B' (9' : AC C(=' ; :' ? < @<?C '!:C(6 :'< ':C@; ' < 'C '9@(CF9 C' B9D :'!9 D<(!(' : (<=6 :'(9'(; :'CBE(6 D 'A ; : :< '(=:' 9= :@(' 9!' A9 ;<?' C :' : ; < :B'C B'C 96 B' A ; <@; ' < 'C'@9 6D :B' ?: < (E : ' 99!:B' A<(; ' 6D : 96 'B9D : ':C@; ' @9 (C< < F' C' =:C6(<[!6 E' @C :B' @:< < F'9!'C' B<!!: : (' ?C(' ' 9' 9 :' < <(H < F'(; : :'(:D ? : '@C ' !C< '(9'=:' (6@>' A<(; '(=:' =:C6(E' !(B' : :FC @:' 9!' (; :' < (: C' @C < F' A ; <@; ' @9D=< :B

2' < (' ' OH ,W%

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CF?6 ' + ' Z : D< 6 ' 9!' (;:' S ' ' ' E ' ; 96F;'
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W< ' D< : ' K C<(< F' 99D ' C B' S : : ' b' ' ' ;!: ;[
D : (' 99D ' C(' (;:' (C(<9 ' C G9' S : : ' b' 9 ' ;9(: H'
C=96(' &OT' EC B:' B< (C (' ' : C< !9 ' C(< : ' @ 9 :'
(9' (;:' (C(<9 ' C B' (C F: C)' 2 9D:' < ' C(< :' (9A '
CF?6 ' < ' (;:' 2:CB' ` 6C (: ' L!' (;:' ;<:!' 9D D<C''
<9 : ' (;:' 56B<@<C ' 9D< < <9 : H' 96 (' C B' 9!!<@<C '
9!' C ' :?C (D: ('@9 :@(:B' A<(;' (;:' CBD< < (C(<9 ' 9!'
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96 '< ' A: ' C<B' 96(' A<(;' F99B' 9CB ' !< :' ?6 D<@' FC ''
B: +' C B' : : C '(C > ' C B' C>: ' < ' (;:' :<F;=96 ;99B'
? 9 <B:(;:' @<(E' A<(;' C ' 6 <D<(:B' AC.: ' 6?? E ' ;:'
< <' (C(<9 ' 9!' CF?6 '< ' @C :B' ::(C=6< B:: ' C B' (;:'
2< ' N9 (' f (;C(' CD:' @9D D C B ' (;:' C(< :' @<(E ' ('
AC '9 ' (;< ' 2< ' 9A'@9 : :B' =E' (;:' !9 (' (;C(' 1 '5: >< '
(;:' : <B: (' 9!' CF. ' AC ' C((C@>:B' =E' (;:' :<F < F'
C C' ??C' C;:=' ;9 CE' < '5C 6C E' &O&%' 9 9 :'
39;C ' A<(;' C' ;C B!6 ' 9!' 99? ' 6@@::B:B' < ' B < < F'
(;:' C C) ' !9 @: ' &O 000' (9 F' C B' C' !:A' BCE ' C!(: '
:@:< < F' :< !9 @:D: (' 1 ' 5: B ' B:DC B:B' C B'
9=(C< :B' (;:' 6 @9 B<(<9 C ' 6 : B: ' 9!' (;:' C C ' ;:'
A (<=6 B::' !9 A C ' =6< (' < ' &O&O' (' < ' FC < 9 :B' =E'
C' 9D?C E' 9!' 6 9?:C ' !C (E' C B' ?9 : : '
DC E' C (<V6:' ?:@<D: ' C D ' C B' < ' K: ' A9 (;' C'
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@ 6B< F' (=:' 1 6 :6D' @9 (C< < F' DC E' C :' ?:@<D: '
C B' C' F99B' <= C E ' (;:' !96 ' 6=\@' FC B: ' (;:' 1 C;C[
C C) ' CF;r 99 <=CF' < ' (;:' @<(E ' C B< ' S C CB< ' C '
9 CFC9 ' C B' : : >: < < ' (;:' 6=6 = ' D9 F' (;:'
@;99 ' C :' (=:' < ;9?) ' @9(<:' C B' 9DC ' C(;9 <@'
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@6 C ' @;99 ' ;:' : FC ' CF?6 ' < ACE ' A;<@;' ;C <
=:: ' 9?: :B' (9' C)@6(<C ' ;C '<(' 6 @(<9 ' A<(;' (;:' 3 ' '
C< ACE' C B' 2:CB' ` 6C (: ' ;: : ' S C D?(:: ' C' D< <(C E'
@C (9 D: (' C B' <D?9 (C (' @9D D: @<C ' @: (:' P' D< : '
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9 FC ' CF?6 ' < ' @: := C(:B' !9 ' <(' B: <@<96 ' 9 C F:. '
A;<@;' C :' :U?9 (:B' < ' C F:' V6C (<(<: ' (9' 9D=CE ' 2 E[
B: C=CB' + :@@C R' C B' 9(;: ' ? C@: ' ;: :' < ' C 9' C' C F:'
:U?9 (' 9!' F C< ' ::B' (:C>A99B' C B' 6 F :' ? 9B6@:' ! 9D'
C. 6 ' C B' :<F;=96 < F' ? 9 < @: ' 9!' ;C((< FC ;'
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1 C ' (C< ' ! 9D' ;: @:' 6 ' B< :@(' (9' C6 9 ' (;:' ? : : (
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CF?6 C< A CE< (;:' @;:C?: (C B' ;9 (: (' 96(:' ! 9C<
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C B' (;:' D 9 (' ? < @: E' 9!' C ' < ' (;:' M' 1 C;C C ' CF' H' A<(;'
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^' ; NC : H' <D :

C< Z E' ' ' C< ACE'<6 @(<9 '(9' C @6((C ' ,D \ 9*!(D' ' B ' &'
C;C=CB' 9 ' O,O' D< : '! 9D' 9D=CE ' ' DC ' (9A '
:?C C(:B'! 9D' C;C=CB'=E' (;:'56D C(' @9 (C< < F'(;:'
: (C 5.< ' C : F: ' ! 9D' C @6((C' ? :!: ' F9< F' (9'
C;C=CB'!9 ' M ;9(C' 2 CQ <Y C B' (9' <:A' (;:' F< B: '
= <BF:'L&T ?< R' ?C < F' (;:'56D C' C : ' ! 9D' 56=''
=6 ?9 : 6 9(<9 'WW,' D< : ' ' W&' O' O'

SC<<\' C . ' ;9(' A:C(;:' :(:C(' !9 ' (;:' <:6(''
39 : 9 ' C B' 9!!<@<C ' 9!' (;:' ' K ' ' C>:' (C< '
! 9D' C : \E' 6 @(<9 ' TT' D< : ' !C : ' ' *O' C B'
'#' (9' SC(;F9BCD ' ' O@' S ' E '+V' R' C B' ! 9D'
(;: @:' =E' BC ' C <>;:(' C B' ;C> C((C'+V' R' DCE'
=:' :C@;:B' (;<' CD:' ACE' ' 1 U< 99 <:' (' (;:'
C< ACE' (C(<9 '(;:'C @: (' =:F< ' C B'C!(: 'C' 96 :E'
9!' &W D< : ' C< <' C '<' :C@;:B' V ' % '(;:' (C : : '
9= : : ' D9 (' ?<@(6 : V6:' @: : "' AC(: '!C ' ! 9A< F'
B9A ' B::?' >;6B ' b @' ;:' (<?' <' DCB:' B: <F;([
!6 E'? :C C (' <' <:A< F' C(6 :) '=:C6(E' :<(;: ' =E'
H I ' +! 9D' (;:' :A: E/' ?9 <: ' 9 ' (9 FC '
+!C : ' :' &'O' O' 'W'O' O' C B' ' &W +9 :' :C(' ' ,'O'O'
:<?:@(< : ER ;:'@9 (< 6C(<9 '9!'(;:' 9 FC 9CB';C < F'
=:: '@9D? :(:B'<' 1 CE'&OPW'(;:E'@C ' 9A' =:(C>: 'B< :@('
(9'(;:' C< ' C' CQCC ' :C '(;:' : B' 9!' (;:' C>:' ;<'
9 FC' 9CB' ! 9D' SC(;F9BCD' (9' 6@;' (: D< 6 '<' 'WW
D< : ' '!C :'!9 'C ': (< :' 9 FC'<' ' &#' <D:'C=96(' '
;96 ' 59; 9) ' :! : ;D: (' 99D ' C :' ;: : ' 2C !'
ACE' 6?'(;:' F;C(' <' M 96F C ' C :Y' 9 ' M C : : H
: (Y' C>' =6 FC 9A ' 29(: ' C B' =9C B< F' ;96 : '
C :' C;9' <(6C(:B ' ;:' 9 B' =<9 ' 29(:' ;C ' =:: '
=96F;(' C B'<D? 9 :B'=E'(;:' 6@> 9A' !< D' 9!' 1 :
16 CE' O@' 9 ' C B' <' 9A' > 9A ' C ' M' ;:' 3 C B'
29(: Y' 9F < ;' (9 : ' C :' C C< C= :' < ' (;:' ;9?
;:' <:A ' 9!' (;:' 9AE' C F:' ! 9D' 39 : D: ('
296 :'C :' 6= <D: ' ;:' < : E' AC(: ' 9!'(;:' C F:'
C>:' +C=96(' &,' V6C :' D< : R' <' 6 96 B:B' =E' !< :'
;< ' > 9A ' C ' 8.3=:: C?:C> Y' ;: >C'B6 BC' + <F: '
;< R' M EC;?C(Y' M :9?C(CY' +39B) '=< R' C B' ;: C''
?6<<(CY' 9 ' *'? 9 F ' ;6 @;: ' 9!' : : C ' B: 9D< C[
(<9 "ZM (' 59; ' < ' (;:' K < B: : Y' b @' B6@C[
(<9 C ' (<(6(<9 ' C :' D C E"Z (' M ;: A99BY' <' (;:'
<9@: C ' 2<F;' @;99 ' !9 ' =9E ' C B' C(' M' C BC :')H
!9 'F< ' : <B: '(;:M' K : : :E'Y' @;99 '!9 ' 1 :(;9B[
< (' M' C<9 :E' 9 : (HH' C B' ' @;99 ' 1
@;6 CDC) ' S< B: FC (: ' @;99 'C(' HH C>?C >'H' C B'
C'? < C(:' @;99 'C(' (;:' M <9 E HH' :C '(;:' 9 C : [
@: (' :?9(' C B'C(' (;:' : B' 9!' (;:' C=9 :' C>:' C :' (;:'
6 ?;6 ' ? < F ' CBE' 6!!: <) '29 ?<(C '9?: :B' <'
@(9=: ' &OPO' ;:' M :D= E' 99D)H @9 (C< ' C'
<= C E' 19 < 9) ' ;9?' C' C @< F' C 99 ' b @
SC(;F9BCD' (9' :A: E' P' D< : ' ! 9D' :A: E' (9'
C< <' C ' + C B<: R' O' D< : "' M 96F C ' C :Y' ! 9D'
#!C< <' C '9' D< :

N 9D' ?? 9U' ?? 9U
1 '(9Z' NC : ' < < 9:

C BFC9 Z (;:' 3 ' ' E ' &%0(;' D< :CF:' C ' B' ;H
(: :)' =6 FC 9A' C B' F99B' K C<(< F' C B' :! : ; [
D : (' 99D ' ;< ' (C(<9 ' < ' (;:' :C : (' 9CB' (9'
6 6 FC=CB' : B'(;:' C : '9!' 9 C'< ' C' f ' f ' '
DC<'?9 E'(9 FC' 6 '(9' B < FC=CB' C(' T*0C DL' BC< E'
C!(: '(;:'C < C '9!'(;:'6?'C B'B9A ' D C<' (C< ' . :'
6 6 FC=CB R' ;:' D C<' @9 (C@(9 ' + 6 : AC ::'
C B' 9 R' C(' (;:' (C(<9 ' C 9' 6?? E'(9 FC 'C(' &W
?: '(<?'(9'N \ 9 C' C :'C B' 9QC 'C'B< (C @:' 9!' C=96('
,%D< : '< 'P';96 H' 96 :E ' ;:' =6 FC 9A ' : ' 96(:'
C :' C 9BC' \ ' D < : ' (9' :9FC9D' W0' D< : ' C B' ! 9D'
(;: @:'(9' 6 6 FC=CB'W&D< : ' ;:' 9CB'(9'(;:' C :'
9!' 9 C'B< : ('C('(;:'&T(;' D< :CF:' 9 ' C=96(' # D< : '
! 9 :9FC9D ' a 'W' JH

C B6 C Z ::DFC9 '+K : (' 9 C R' *W# D< : ' ! 9D' 9D=CE
CF?6 ' C @;' 3 ' ' E' DC 'AC<(< F' 99D' C B' C
: C<' 'K ' '< !:@(<9 '=6 FC 9A' '@9((9 '(CB< F' (9A
C B'&W D< : '! 9D' S \ C FC9 ' D :(C :B' 9CB' 9' @9 :EH
6@:' =C('@96 (E' @C (' ' :A' = <BF:B' 9CB' &% D< :
9 F'< ' DCB:' (9' 5C FC9 ' ?9((:B'B::' C=6 BC ('C 9
9(;: ' DC 'FCD:' ;: :'< 'C' !C< 'A:C(;: ' 9CB' (9' 1 6 >CH' H
?6 &TD< : ' ' WOH#' J

C <>'r 3 ' ' ' E '+&&%(;' D< :CF:R'(9' C < @' 9CB' (C(<9 '
!C : ' '%'#'! 9D'A ;<@;' C >'< ': '= :(A : : '#C B'TD< : '
(9'(;:' 9 (;'A: (' a('@9 (C< ' C ' :U@: : (' C : : H
6 FC 9A 'C B' 9 . '< ' F99B'9 B: ' '& . DACE';C '=: : '
9?: :B'!9 '(;:'@9 :EC @:'9!' C : F: ' C B' 399B '=:[
(A : : '(;:' C< ACE' (C(<9 'C B'(;:' <(E'C B'C ;C B 9D :'
= <BF:'9 9 : : '(;:' < : 39BC 9 E' C?<(C '(9 FC 'C :'
9 ' D ;' C('(;:' C< ACE' (C(<9 ' ;:' ?9 <;' B9' (;:< '
<U' 9 ' ' D< : ' C ' :96 ' :C ' E ' (9 FC ' @C '
=:' ;< :B' !9 ' ' ' C' BCE' C <>' (;:' : C : ' 9!'
K ; (: ' B<C ' < ' ? :C C (E' <(6C(:B' 9 ' (;:' =C >C'
9!' (;:' < : ' 39BC : ' 9 ' 36 FC ' ;:' A< B< F'
(::(' :CB' B9A ' (9' (;:' = 9CB' =6('<. C 9A' < : '
A ;9 :' AC(: ' C :' D CB:' (9' 6 ' !9 ' C=96(' ;C !' C'
D< :' (; 96F ;' C' 6@@: <9 ' 9!' DC 9 E' =C < ' < '
A ;<@:' (;:' A ;9 :' ?9?6 C(<9 ' @9D :'(9' AC ;' (;:D [
: : 'C B' (;:< ' @99>< F' ?9(' C B' (9' B CA' B < >< F'
AC(: '! 9D'BCE'(9'BCE ' 2 : :'< '(;:'@: (:'9!'=6 < : '
C B' ? :C 6 :' !9 ' C ' C9<>' ;:'=C >' 9!'(;:' < : '<C'
(;<@> E' < :B' A<(;:' (:D ? : 'C'=CQCC '< ' ;: B' 9 ' (;:'
9 (;'=C > ' C B' <('< ' C' D 9 (' < :: : (< F' <F ;('< ';:'
:C E' D 9 < F' (9' <::'(;:' =6 E' @ 9AB ' 9D :' =C(;< F '
9(;: ' (C!! 9>< .e' : B' 9(;: ' A9 ;<?7< F' < ' (;:'
(:D ? : ;:' ? < @<?C ' (:D ? : ' < ' (;:' 6=6 =' 9!'
C @;C C(<' 9 ' (;:' 9 (;' =C >' 9!' (;:' < : ' <
B:B<@C(:B'(9' C D C ' A ;9 ' C@@9 B< F'(9'(;:' C D CEC C '
:(:C(:B'(9'(;< ' ?9('B6 < F' =< ' :U< :H' C B'(;:' !C<(;!6 '
D CE' (< ' ::';: :'(;]'@C '< ' A ;<@;';:' 9B:' ;:' : <B: ('
?9?6 C(< '9!' C <>' 6 D =: ' ,,000'< @ 6B< FC=96('&.000
C ; D< '=E'&OP&@: 6 ' 'C'? C@:' 9!'?< F <D CF:' !9 '
2< B6 ' <(' 6 :B' (9' =:' ! :V6: (E' < <(:B' =E' @;9 : C '
;6(' C C F:D : (' !9 ' ? : : (< F' (;:' 96(= :C>' 9@

(!< : 2' ' ' N . (S
N 9D ?? 9H' ?? 9U'
1 '(9 Z NC : ' <D :
S : : D 6@ ; Z ' , ' ;!
!C (F : F<D : (+(; : :' +<9 D ?C <: '9 'BC(C9 : D : (C(
B9 :R' : : D6@ ; 6 96 B :B =E C(< : (C(: : ' ' C
@C (9 D : (C 9 = : < F <(< : ' (: <(9 E ' : : ' < ' C
DC ' N9 (' < ' A ; <@ ; ' C :' >UU((: B (; : ' ?: < <(C E ' (:C 6 E
C B (9 : 99D ' ; : C < ' C !< : D =' A<(; ' 9 <@ :(
F 96 B ' (: < ' @96 (' @ '(((C@; : B
: < F ; : < : Z C : ; ' ! 9D' 1 CB C ' F9' ;E (; :' 96(; "
K ' (' 1 CB C ' E ' (9' 1 :((C?9 \ 6D ' C : ' ! 9D'
9D=CE :<(; ' (C>: ' (: ' 1 CB C ' D 1 ' (C< ' (CE< F 9D :'
;96 'C(@9 6D' 6 @(<9 ' 9 ' (: ; ' A' C< ACE 96(:'
<C 99 C ' 26= < ' 2C < ; C ' C ' FC 9 : ' C B' 59 C ? :(
@(<9 '(9' 1 ;((C?9< <6D ' 9D : DCE ? :! : ' (: ' A : > E
<2 ' ; B<C (:CD : ' (9' 3C <@ ' (' ; : ' C : ' (A9 ; 9(: '
C(C <@6(' C B' (; : ' D9 < F DC< ' (C< ' (9' C(C '
6 @(<9 ' :C@ ; ' 9<D=C(9 : ' (; : ' CD : C!(9 \< 9 ' A ; : '
(: ; ' < ' <D<(: B' C@@9D9BC(<9 ' C((; : ' C> =6 C 9A '
6 @ ' (: ; : ' < ' C ' : ' ?<: @ ; ' 9! D :(< \' B' 9CB'(9' S6 C '
C((: ; ' !99(' 9 ! ' (: ' 99 99 ' 3 ; C(C @ : ' (' : ' 9 B' C B'
(: ; ? 3 ; C(< ' P D< : ' 9 F ' =6(! <9D' S6 C '(9' ; 99 99 ' =E
(: ; ' : A @C <CF : ' 3 ; C((< ' &T D <: ' : ' C((: ' < ' 9A' (; : '
D9 (! : V6 : (: B' 96(: ' C B' (; 96F ; (<@>: (' C : < 6 : B' =E
(: ; ' < F : < ' C E< F 9D ?C E) ' 1 C< ' C B U ? : '
9 ' FC ' <@: ' NC : ' 6? 1 ;((C?9< <6D' (9' 9(C@CD B
' W0 ? : ' :C(' B9A ' &T ' A<(; ' C :B6@(<9 ' !9 '
:(<<(' (<@>: (' 2 : C E 6FF(; ' C '(9' = : ' (=E = 9@>"
9C (@9 (< F C=96(% ? : @C (' 96 :E '(9'
99 99 '9@@6?< : '*< ; 96 ' C B '(9" 9(C@CD B # ; 96
: ' 9 B' 3 ; C(< ' (< ' C< C= : (9' (C ' A ; 9 C ' ; 9(
; 6 <: B' C B' (: E' @C ' C C F ' C(' 1 :((C?9< <6D' !9 ' C
(C <' @9C@ ; (9' @9 :E' (; D' (9' S6 C ' C(%' C B' C
?9 E' C (O (9' @C E' (; D' 6? ' (: ' 3 ; C((9' 99 99 ' C(
O' (: < ' 6FFCF : ' = : < F' (C> ' : ' =E' =CFFCF : '@C <: ' C(
' &W C' DC ' C < F' < = : ' (B9 ; B6 < F' (; ' BCE '
(9' C 9<B' C' < > 9!' ! : ' : C B' 9((9' D< ' (; ' !< : ' @ : ' E
: ; 9(: ' C(99 99 ' C : ' 3 CE) ' C B' C <B 9) ' =9(; '
:V6C E F99B' C B' D6@ ; C=9 : ' (; ' C : CF : ' 6('M 2 <'
3 9 : ' 29(: ' ' < ' (: ' =: ' (< ' (; ' (; : ' : <B: @< : ' : '
D< <(C E' (C(<9 < 9!" K : < < F(9' ' < ' * D< : ' ! 9D' 99 99 '
C B' (: ' D< ' 9 ' C <(C <6D' C B' C (:) ' (C(<B ' 9!' S9(C '
'= : E ' A : ' (; : ' < ' C 9' C' DC ' ;9(: ' < ' &W D< : '
< (C (=E' C B < C= : ' 9CB' 9(C@CD B' < &W D< : ' ! 9D'
99 99 ' =E' C D :"C : B' 9CB' 9 ' : C ' F CB< : (' C B' = : < F'
C=9 (' C' (; 9 C B' ! : ' (<F : ' < ' @9 B: ' ; : ' < ' C ' 9 (
96(' =E' A ' <@ ; ' (; : B< (C @ ' (9 ' <B: ' < ' ; B6@: B' (9' &O
D< ; ' ' ? < @<?C ' ;9(: ' C(9(C9CD6 B' C ' E >) '
C B' ; 9 ' ; C < 296 ; ') ' : < C 9 (; ' 9(C9CD6 B'
6= !9' (; 9 : A<(; ' D : D=: ') < (9B6@(<9 ' 96 < (
; C : ' (; : ' C (: C(< : 96(: ' ! 9D' 9D' =CE' (9 (; ' : < F; : "
< ' 9 ' : ? : ' B) ' (: CD : ' ! ' 399 ' WT < ; 96 ' NC : '
&O A<(; 96(? 9 < <9 (; : @ : ' =E' (; : ' 96(; : ' 1 C ; C(C'
E ' ! 9D' 1 C DCF9C ' C< ACE (C(<9 ' A ; : ' (; : ' <'
' DC ' ; 9(: '(9' ; C AC ' : DC< < F' C((; : ' BC> ' = D

) M 7?Z ' ' 3\ ' ' 1

. 9D' 99* ' 99* .K

^' ; ' NC : ' <D:H

? C<.9 (+W' ' +\' =H

(<@(' : :'@9C (<E'=:(A;:,'(=:' (C(<9 :'9!' C>; C.C(<'C B'
) =< FC9 ' 9 ' <=< :@(<9 ' < ' A: :@(< C(:B' C B'? : :(C'C
D9 (< (: : (< FH C??:C C @:'< ' 1C @=H A;: ' DC E' V6C :'
D< : ' DCE=:' : : '@9 : :B'A<(;' <?: < F'A ;:C(C B' ::B
: ;' < <' (C(<9 ' +(;:' CBD< ' < (C(< :' 2:CB'V C (: ' 9!'
5C C9 ' < (<@(R' CB 9< ' (;:'(9A ' 9 'C' :<F;' C B' A: H
B C< :B' <(:' (' (;:' BC(:' 9!' C :UC(<9 ' C' AC 'C'?99 '
< CF:' 9!'B< C?<BC(:B' ;6(:H =6(' =:< F' !<U:B'6?9 ' C '(;:'
;:CB'V6C (: '!9 '(;:' :A E' C@V6< :B' 5C 96 ' (: <(9 E' < '
&O. '<(';C ' F 9A ' C?<B E' C B' <D? 9 :B' F :C(' E'9!' C(:'
E:C ' CQC ' >C9A ' C ' : C FC ' ?6= <@' FC B: '
6 : E'!9 ' (: : ' C; < <' @;99
a.C@;DC <' + 6:;D6C ::RZ 9' <?C <C'=E' (;:' 3 ' ' ' E H
B ' D< : ' ! 9D' 9D=CE ' C B' (;: @:' =E' 9CB' oW D< :
C>' =6 FC 9A ' A<(;' D: D: ' C(<?C <C ' C B' C(
< FC CDC R' (:' !99('9!' (;:' ;< '&O D< : ' ! 9D' <?C <C
2C !' ACE'=:(A:: ' <?C <C' C B' < FC CDC' < ' C' ' ' K '
: (';96 : ' !6 < ;:B' ;:' 9CB' < ' C' ' ' K ' 9CBH
C B' < ' :U@: : (' < ' C ' A:C(;: ' ?? <@C(<9 ' !9 ' @9 [
:EC @: ' ;96 B'=:' DCB:' :<(;: '(9'(;:' F: (' <?C <CH
9 '(9' 9 C><' C@;DC =< ' C(: 'C ' !9 9A ' Z 9 'E' (9 FC
" &T ' :C(' < ' 1C<' @C (H ' O # =6 9@>' (9 FC ' ' &W '
=9 9@>'@C (' W'O +< ' (;:' C< ' *R' (' NC@;DC ;<'
< 'C' ;9(:'(; D ' '#C'BCE'9 ' ' &*#C'D9 (;' C F:[
D: (' @C ' =:' DCB:' K<(;'(;:' ? 9? <:(9 ' 99D'<'C 9'
: : :B'< '(;:';9(:'9 '(;:'BC>' =6 FC 9A' ? < @<?C E' !9 '
(C : : ' ?C < F (; 9<<F;' (;:' (C(<9 ' C@;DC ;<' <'(;:'
6DD:' : <B: @:'9!'(;:' ;<:!' 9DD< <9 :'9!'(;:' : (C'
9 < @: 'C B'(;:'6 6C'6?'@96 (E' < <' (C!!<' (C(<9 :B'
(;:':' 1 <<(C E'@9 C : @: (' B:?B('!9 'W#O D: '(9' A ;<@;'
!96 '9 '!< :'9!!<@: 'C :'C((C@;:B' \?: C E' = : C(9 EH
9 (' !!<@:'C B' : :F C?;' !!<@:' C@;DC ;<<' C'? C(:C6
WO V6C :' D< : ' < ' :U(: (' &&. 6 B6 C(< F' 6 !C@:' !< D'
F C : E' 9< '@9 : :B' A<(;' 9!(' ;9 (' F C ' C B' (;<@> E"
F 9A< F'(: : 'F< :'<'(';:'C??:C C @:'9!' C ' F < :'?C >
; ?' C(:C6'<(: !' < '* #OO!:;(' C=9 :' (;:' : :'9!' (;:' :C
;:'=< 'A ;<@;'=9 B: '<(' C :' &OOO !:;(' <F:;' C B'(;:'
6 9C B< F'@96 (E' < ' (;<@> E' A99B:B ' ;:' (C(<9 ' < '
@9 :V6: @:' ;@C?: ' (;:' ;9(' A< B ' A ;<@;' =6D' 6?' (;:'
? C< '=: 9A' ' < '(;:' C< H' A<(;' C ' C : CF:' C< !C '9!' T#
< @;' ' (;D?: C(6 ;' @C @: E' : ' ;C@;: OO B:F ::
' ;' < : ' AC ' C((;:' !99(' 9!'(;:' 3 ;C(' C=96 B
< '!< ;'C B'(;:' 6 F : '< ' C F:'FCD :' ' *&HO
E % * R E'3 ' ' ' E' DC ' K C<(< F' 99D' C((C(<9 '
C 9' C : : H' 6 FC 9A'C B'C' : C<!9 ' C(< : ' < '@ 9 :'
? 9U<D<(E' ;'< '<'(';:'B< :@(' 9CB'!9 '(;:' C : '9!' <C (C'
A ;<@;'C :' * ' D< : ! 9D' (;:' C< ACE' (C(<9 ' =E' ' FC'
9CB' N9 BC?6 ' +*O D< : R' <' (;:' < CF:' :C : ((9'(;:'
C : ' (C : : ' :C < F' C@;9 C' =E' BCE' = :C> @C '
@9D? :(:'(=:' 96 : '=E' : : < F' 6 9@>'@C ('9=(C< C= :'
=E'?: <96 ' C C F:D: ('A<(;'(;:' 1CD 6(BC 'C(C@;9 C
C>' 6 FC 9A' C(N9 BC?6 ' C : : D6 (' ? 9 <B:'
(;:<' 9A ' ? 9 < <9 ' =:BB< F' C B' : C (' 36<B:'
9=(C< C= :' C=96(' (;V ?9(' (9' B: @ <=:' (;:' C : ' ;T

)a 2 \ 2' (5 ' ' t ,O

#?9 < ?? 9U' ?? 9U'
1 ' (9r NC : ' <D : '
C9;9 C Z@LDK ' B ' ;

C (C' C : ''@9 (C< ' (;:' @: := C(:B' ! : @9' ?C< (< F '
6??9 :B' (9' =:' (A9' (;96 C B' E: < ' 9 B' ;:' @9?<: '
? :?C :B'=E' 1 C 9 '3< $' !<((;:' @9 ('9!'(;:' 1 CB C' 39 : H'
D: (' A: :' B: (9E:B' < '(;:' !< :' C'((;: ' 96(;' A< F' 9!'(;:'
E (C' C C@: ' =6(' 9(;: ' ;C :' C(: E'=:: ' :U:@6(:B'=E'
1 ' 59; ' 3 <!!<(;' C B' C' (C!!' 9!' ((6B: (' 9!' (;:'
9D=CE' @;99' 9!' (' ;: :' C :' 9A' B:?9 <(:B' < '(;:'
B<C ' 1 6 :6D ' 96(;' S: < F(9 ' 'C 6C' 2< B99'
!C< ' A ;<@;' C (' C=96(' &# BCE ' < ' =9 B' C(; : B9D : : '
C=96(' &D D< : '! 9D C@;9 C' ;: B9D :' < ' C' CF ;< ' <'
?9 : <9 ' 9!' 1 ' 5' <> ;<(' (;:' B: @:9BC (' 9!' (;:'
36 6'9!' C :: C9' : ;AC &,'O' O
C C ?9 : Z E' ' ' C 1 ' ' E ' (9' ; D@BC=CB'+*&O'D< : R'
(;: @:' =E' C 6<(C C' (C(:' E ' O*' D< : ' :! : ; D : ('
99D'C('(;:' (C(<9 ' W#'&,' O' &%

C <(C C Z E' C< A CE' + ' ; D : BC=CB' (9' K CB ;< C '
?. @:'=E' ;C CFC '39 BC' C< A CE' (9' ;9 F ; :B'
;: @:' =E' @C <CF:' BC> ' &W D< : ' (9' C <(C C' '
(CD A CE' 6 ' (9' 1 C <C' C B' C < <C' ! 9D' 1 9 <' ;:'
? < @<?C' 9= :@(' 9!' < (: : (' < ' (;:' 6D : 96 ' 5C<'
(:D ? : '9 '(;:' 2< ' ;:' <C>9 :' 9!' C <(C C'? 9 <B: '
(96 < ('A<(;'@9 :EC @: '9 'C?? <@C(<9
C @;FC <Z E' 3 ' E' (9' 99 C' (;: @:' =E' ?;C:(9 '
9' (: FC' BC>' (9' C @;FC < TW D< : ' 9 ' =E' C<' (9'
K C(;C 'T*' D< : ' (;: @:' =E' BC>' (9' C @;FC < WP' D< : '
=:< F' 9 E' &W D< : ' ! 9D' 1 C;C= : ;A C ' C @;FC <'
< '< ;C=<(:B' C ' (;:' E:C ' 96 B' =E' 6 9?:C ' C B'
?9 : ; ' C' 2<F:' @;99 ' !9 ' (;:' :B6@C(<9 ' 9!'
6 9?:C '@;<B : ' C B' C 9' 9 ;(' @;99 ' !L ' F< '
C @;FC < (C B ' C(' C ' ; : C(<9 ' 9!' C=96(' OOO' ! : :('
C=9 :'(;: ' : ' 9!'(;: ' :C ' (; : ';<F ; : (' ?9< ('+(C= :' C B'
=:< F' , ##O' ! : ('C=9 :' :C' : ' : ' ;:' !C 96 <(:' :C 9 '
!9 ' < <(< F' \ @;FC <<' ! 9D' 1 C @;'(9' 56 :'C B' ! 9D'
@(9=: ' (9' C=96(' (;:' D<BB :' 9!' 9 :D=: ' ;:'
D CU<D 6D' (:D ?: C(6 :' < ' :@:D=: ' &OP& AC ' %% C B'
(;:' D< <D C' TWh' ;:'(C= :' C B' =: 9A' A ;<@;' C @:[
FC < : (:'>::?'9!!' (;:' :C (' A< B ' A ;<@;'C :' 9'(E< F'
C(' 9(;: ' ;< ' (C(<9 ' C B' C :'FC < ' < 6 B96=(:B E'
9 :' 9!' (;:' D9 (' ;:C (;'F< < F' ;< ' (C(<9 ' < ' B<C'
: ?:@<C E'!9 ' C E' 9 :' :V6< < F' V6<:(' ' (;:' D9 (;'
9!' 1 CE' 9!' (;C(' E:C ' (;:' D CU<D 6D' AC ' P0H C B' (;:'
D< <D 6D' %,' ;:' C : CF:' C 6C' !C ' < ' C=96('
%O' < @;: ' @@9 B< F' (9'C' (;:' : 6 ' 9!' &OP& (;:'
?9?6 C(<9 ' 9!' C @;FC < 6D=: :B' %PP' < @ 6B< F'
6 9?:C 'C B' C(< : ' C :;FC E';C 'C DC '=CQCC '
A<(;' ;9? ' 6 9?:' F99B ' C :' 9(' 9=(C< C= : ' =6('
9@C ' 6?? <: ' 6@=' C ' D 6((9 ' ?96 (E ' ! 6<(' C B' :F:[
(C= : 'C :'? : (<!6 'C B' @;:C?' N< :A99B'< '= 96F;('< '
< ' C=6 BC @:'! 9D' (;:' C :E 'C B' !9 : (' ;: :' < 'C'
C>'=6 FC 9A'C B' C' F99B' 29(: ' @9D D C B< F' C' !< :'
<:A' 9!' (;:' C :E ' C B' ;< ' <D D :B<C(: E' = : 9A' <(' '
C' 9 ('C B' : :F C?;' !!<@:' C' 39 : D : (' < ?: C E'
C B' C' 9DC ' C(;9 <@' ;C?: ' ' ?< @9?C ' ;6 @;'<'
< '@96 :' 9!' @9 (6@(<9

?? 9U' ?? 9

1 ' (? Z' NC :B' <D :

C 9 Z E' 3 ' ' ' E 'm C< : ! 9D' 9D=CE' 56 @(<9 ' (C(<9 ' ' B' ; ' A<(=' (; ;' Ь ' E' U(: < : ' A9(> :9?' 9!' (; ;' 3 ' E' C B' 39 : D; (296 : ' ' (; <@> E ?9?6 C(:B (9A ' @;<:! E D< ' ;C B ' C B' : C ('9!'(; :' 3 ' ' C B ' Ь' ' ' C< ACE ' O'#'

: C, F Z E' ' b' ' 9) ' ;< C' (:CD: 'C B'=E' ' ' > ' 9) ' (:CD: '! 9D' C'@6((C ' SJ' U'

E' 6 (<C ' 9EB ' (:CD: '9 '(; :'W& (9!' :C@;'D9 (; ' &*#' &&'

: ;CEEC Z 9' C;9 : '(; : @:'=E' 9 (:' K ; (: ' E' (9' : ' :CA6 ' C (9 D : (; ' W&O D< : ')C : ! 9D' C ;9 :' ' W& < T D< : '! 9D' 9D=CE' C' ; D :BC=CB' C B' N: 9Q:?9 :' ' OO'O'

E3 ' ' &*%'P'

'+ ' (C <'5;C <' 6 B<C' ;CQ<C=CB'C B' C;9 :' #O*' D< : '! 9D' 9D=CE' ' PPH&W' J

C : F: ' =E' (;< ' 96(:' @C ' C C<' (: D : : '9!' (; :(; 96F ;'@C <CF: 'A :<@; 6 'BC< E =: (A : ; 9D=CE' C B' C;9 : 3 :C(= <BF: 9 : (; : ' B6 C(((9@>' AC '9?: :B'9 '(; :'W#(;' 1 CE' &O0*' C< ' 6 (. 96F ;' (9' CA6 ' : ' < C BC> =6 FC 9A' <(6C(:B < ' C ? C< ' :C ' (; : ' !(=C > 9!' (; : ' C C ' (:CD C=96(< D< : '! 9D' 5CD D(N9 (C((; : ' (C @: 9!' (; : ' S ;C<=: ' +S ;E=: ' C < <(9 ' (9' (; : ' SE=: ' C '@C '9 E' F9' 9 'N <BCE 'C B' 6: BCE 'C B' D 6 (9=(C< 'C' ?: D<(+@9 ('#' (; :' BCE' =:!9 ' : ' ;CAC '<' (; :' C @<: (@C?<(C 9!' (; : 3C B;C C ? 9 < @: ' C B' ;C 'C(C C(: ?: <9B ' =: ' < [(9 <@C E' <D?9 (C ' 6BB ;< (:D C< (< ' AC >' <(C :C E F :C(: ' ; ' D9B: ' @<(E' ;C ' =6(<F: (C @ ;<(:@[(6 C ' ? :(: <9 ' (; : ;96 : ' =: < F' =6< (9!' DC ' = <@> 9' D6B' ; : B' (9F:(; : ' =E' C' A99B: ' ! CD : 'A9 >' < :F6 C ' (: :(' 9!(: ' : B< F' < ' (9 (696 ' = < B' C :E ' : :@<(E' <C 6 96 B:B' =E' C' D6B' AC ' ' ! : : (;<F: ' @ ;<: ! E' C ' C ? 9[(:@(<9 ' ! 9D' 9==: ' ' ' C' D9 V6 ' ' C ' (9' =: ' ' C B' (; : C F: =6< B< F' > 9A' C 3 ;9 ' S ;C(' <AC ' 9 @ ;C 6BB ;< (D9 C (: E' C!(: AC B ' :=6< (' < (9' C' 2< B6 (:D? : ' 56 (A<(;96((; : @<(E AC ' 9 ' (; : ' 9 (; : <B: C V6CB < C(; C ' !9 (' (; : ' C C 2< E ' ' @ 9A ' C DC ' :D< : @; ' @9D? :(: E' B9D< C(< F (; : @<(E' ('AC ' 9!' 6 'B <:B' = <@> ' ' < : ' (9' C' :<F :(9!' FW ! : ' (C=9 :' (; : F 96 B' A<(; C' 4 % #' 9!' *0 ! : (' =C (<9 ' C(C@ ', @9D: ' C B' 9 (; : ' 9!' (: ' !C@; ' F6 ' C B' D9 (C ', D96 (:B' C=9 : ' ' ?9?6 C(<9 ' A :@; ' 6D=: ' < @ 6B[< F (: 6=6 = <DD :B<C(: E96(<B:(; :AC ' 9 : T00 @;<:! E 1C ;9D :BC ' < ' 6=B< <B:B' < (9 ?: ((E ' (CB: F6< : @ 6<(;B ! 9D' C ' (; : ' C@; 9!' (; : ' 9 = :' A: (; D' ! 9 (<: (' C ' (CB: B :C < F ' A<(; SC=6 ' C B' 9>; C C ' C B' (; : < C C F: ' (C!!<@ (; 96F ' ' <(! 9D' : (C' <C C B' (; : B<C ' (9A ' (9' ;(C< ' A ;<@; '9 '(; : ' ?9(' C !C< ' K!(' 6 [6@@: !6 E ; : B< ' &OTP

2 (5`2' . ' ' N ,*P

N 9D' ?? 9U' ?? 9U

5 '(9' Z NC : ' <D:

`6:((C Z@9 <@<' ' B' ;

6?(;:' 9 C ' C '(9' `6:((C'+PO D< : ' D9 :R' `6:((C<'

TL#05!::(C=9 :' :C=' : ;:'C : CF:' C< !C 'B6 < F'

(;:'?C (#E:C ' AC 'CHD< 9= ;:' C :' (A9' ;9(: ;

C(' `6:((C Z(;:' C B9A :' 29(:' C B' (;:'

C>' =6 FC 9A' ;: :' <' C 9 C' 39 :' D: (' C>'

=6 FC 9A' A;<@;'=:< F'@: (C E' <(6C(:B'<' (;:' D9 @'

@9 : <: (!9 ' <<(: '(9' (;:' (C(<9 ' ;:' ? < @<?C'

=6< B< F 'C(' <:((C C :' (;:' 6@;<(C ' F: @E' (;:'

9 (' 2@:' 39 :' D: (' :F C?;' !!<@: ' :C 6 E'

(;:' F :' 1C >:('C B' (;:' `6:((C' '6=' ;:' (99?' 9!'

C' C D 'V6C (: :B C(' 6:((C'@9 < (9!' WW' O 6 9?:C '

9 B<: G'#OOO' C(< :' :?9E' C B'&O F6

2 C<@;6 Z*TO D< : '! 9D' 1CB C' ' ##

3' ' ' E' C B' 6 @(<9 '9!' (;:' 1CB C' C< ACE

,,*' D< : ' ! 9D' 9D=CE' :! : ;D: (' 99D' C B' : C<

' B' C< :B' !9 (' A9 (;' ::< F' :C : (' (C(<9 ' <'

<< F CF6 ' :A E' !9 D:B' D< <(C E' (C(<9 '9!' (;:'

2EB: C=CB' 9 (< F: (' +9 :' !C (E' 9 ?R' < (:CB' 9!'

< F 6F6 ' ! 9D' 5C 6C E'&OO*' ;C F:' (C< '!9 ' :5 C E

1CB C ' C B' C FC 9 : !%'&&' +' &)(,

H @B ' + : (C' 9 < @: RZ : FC ' CF?6 ' E' 9'

CF?6 ' + ' :9 CAC ' =E' C< ' C B' (;:' =E' C<' &OO

D< : ' ! 9D' CF?6 '!C : ' '&%'&O'OC B' '%'&,'OZ ' $+-!' & &!

C >9(Z E' ' ' b' ' ' E' (9' K 6B;AC ' (;: @:

=E' 1 9 <' E'(9' SC >9(:A<C' KC >C : '%%' D< : ' #'*' JH

2:CB'V6C (: ' 9!' (;:' 9 <(<@C ' F: @E' < '(;:' ? 9[

< @:' 9!' SC(<CAC ' C :') =6 FC 9A ' 9 ' (;:'

9CB' ! 9D' K CB;AC '(9' SC<>9(' 1C <' ;9 <C' ;9(:' C

'C D: DC ' : :R' CDC =9 ' C B' C B;6 D C C' A<(;'

'99D' !9 ' 6 9?:C ' C(S C AC' N 9D' C >9((;:'

<' C F99B' 9CB'(9' 39 BC ' W' D< : ' C B' (;: ' 9 '(9'

5:(?6 ' E' (C(<9 ' C 9(;: ' WW' D< : '=E' A;<@ '?:9?:'

!9 ' ;9AD 6FF6 ' C B' 9(;: ' ? C@: ' < ' (;:' 96<;' 9!'

SC(;<CAC ' 9A'(C :

C ' C BFC9 Z ' (C(<9 ' 9!' (;:' : FC ' CF?6 ' E

&&T D< : ' ! 9D' CF?6 '< '# ;96 ' ' !C : ' '&*'&&'

=6 59@>' BC>' ! 9D' C ' C BFC9 ' (9' C<?6 ' + #' R' 9 '

=E' C<' ,W DC : ' H ' .)'#' &

' CDC B 99F ZS 9A ' C ' (;:' 99F ' < ' C=96(' *% D< : '

! 9D' : C E' 1CB C ' : <B: @E' ;:' 3 C(' <C

: : ' D< : ' 9 F' A<(;' C' !C< ' 9CB' C B' F CB<: ('

C=96(' &< ' ,O' 6?? <: ' ? : (<!6 ' C B' ;<>C ' C=96 B '

< '(;:' ;9 C' ' :' 99F' AC ' C=C B9 :B' < ' &OOO C' C

C <(C <6D ' (' ;C ' 9A' CFC< '=:: ' :' (C=< ;:B' C' C

;9(' A:C(;: ' :(:C(' !9 ' (;:' D< <(C E' C ' : C E' <'

;9(' B6 < F' (;:' 6D D:

CD(:>Z (9 F;9 B' 9!' (;:' 1C C(;C ' C< '(9' C!?6

#WO D< : '(;: ::' =E' ' E' (9' SCD?(@:' P' << :C '

C B' =E' =6 9@>' (9 FC' + ' O :(6 R'(9' CD(:>' &T D< :

K;: :' (;: :' <' C' BC>' =6 FC 9A' <' 6?: =' <(6C(<9

1< <) ' 3 \ ' ' 2

H 9D' ?? 9UH' ?? L$
1 ' (9 Z' NC : ' <D :
2C D(: > Z H' B ' ; '
9 : 99>< F'C'A <B : ' (:(@ ;' 9!' @96 (EH' 9? : ' :C 9 '
!9 ' C' < <(' < '(; :' C< E' A :C(; : ' 56 E' 9 ' :C E' F6 ('
9 '(; :' @9 B' :C 9 ' C(' C E' (<D o ' ; :' (C : : ' A< ' B9'
A : ' (9' (C> :' F < ;' = :CB' A <(; ' ; <D ' ! 9D ' .CD ?(: :
; :' @: : E' <> :' 1 C(; : C
C <F6 F : Z 'A9' 96(: ' C B' (; 96F ; ' @C <CF : ' =E' =9(; '
(C (< F' ! 9D ' <@(9 <C' : D< 6 ' . 9D =CER ' :' 96(: '
< ' ' C ; C=CB' C B' 9 : ' (; :' C &' ' C B' ' a' C< [
A C E H O&'&&' W' %
; :' :@9 B ; C B' ; 9 (: (' 96(: ' < ' + ' CF?6 ' 9 : ' (; :'
3 ' ' ' : FC CF?6 ' C B' C (' B<C ' C< A C E '
B< (C @ :' & &#O' D < : ' ; :' !C (' ? :@<C ' =E' (; < ' 96(: '
: C : ' <@(9 <C' : D< 6 ' + 9D =CER' BC< E' C(' O' *O' C ' D
+1 CB C <D : R' H %O' &&
C <F6 F : ' ; C ' C' C F : ' 6 9? : C ' ?9?6 C(<9 ' @ ; <: ! E'
F< : : ' C B' 9(; : ' : D ? 9E : B' < ' (; :' 9 <: <: ' C B' (; :'
C< A C E ' ; :' @9C ' D < : ' C !9 B' : D ? 9E D : (' (9' 9 :
000' D : ' C B' A 9D : ' : ' T00 000' (9 ' 9!' @9C ' C :'
C< : B' C 6C E ' A ; <@ ; ' C :' 9 B' < ' C @6((C' C(' C=96(' '
' &O' ? : ' (9
C <> ; : (Z 1 < <(C E' (C(<9 ' *O' D < : ' ! 9D ' C< < C ' 9 :'
<(<? ; ' :F<D : (' C> ' =6 FC 9A' ; C !' A C E' 9 ' 9CB'
C B' C(' C <> ; : (' 9 : E' <: A ' 9!' (; :' 9A ' 9 ' (; :'
9CB' C ' A : ' C ' ! 9D ' 2 C <> ; : (' C B<: ' 9=(C< C= :'
! 9D ' BC> ' =6 FC 9A' C(' C< <' C ' !9 ' (; :' 96 :E' (9'
C <> ; : (' 9 ' D 9 C ;
CAC ?< B<Z E' 3 ' ' E ' &W%' *' ' ' '
E' ' ' b' ' ' E ' OW' O' W' W * ^
' + ' (C <' ' 1 ' E ' ' ' E ' C B' ' K ' E
& &%OD < : ' ' P * ' *
C : F : ' =E' (; < ' 96(: ' @C ' C C< ' (; : D : : ' 9!'
(; :' (; 96F ; ' @C <CF : ' A ; <@ ; ' 6 ' BC< E' = : (A : : ' 9D [
=CE' C B' C ; 9 : ' ; :' ? : : (' (9A ' < ' 9!' D 9B : '
9 <F< ' C B' @9 (C< ' 6 ? A C B ' 9!' % 000' ; 96 : ' C B' C'
6D = : ' 9!' (: : (' < ' A ; <@ ; ' =C > : ' C B' @ 9(; ' D : [
@ ; C (' < : ' ?9?6 C(<9 ' WO 000' ; :' @C (9 D : (' ; C :'
C@@9 D D 9BC(<9 ' !9 ' F < ; ' C B' C(< :' (99? ' ; :'
=C C@> ' !9 ' W #00' 6 9? : C ' 9 B<: ' 9 B< C E' FC [
< 9 ' @9 < (' 9!' (A 9' 6 9? : C ' C B' (A 9' C(< :' [
!C (E' :F<D : (' 9 :' :F<D : (' 9!' C(< :' C C E'
C B' (A 9' C((: <: ' 9!' (< : E ' &%,' D < : ' ! 9D ' C ; 9 :'
C B' (; :' 1 6 : :' 2 < ' (C(<9 ' < ' :C@ ; : B' ! 9D ' ; : :'
C 9' S C ; D < ' =E' (; :' 5 ; : 6 ' C :E ' :! : ; D : ('
99D ' C> ' =6 FC 9A' C B' ; 9(:
CAC ?< B<' 5 6 @(<9 ZPP#' D < : ' 9 ' O& ; 96 ' ! 9D '
S 6 C@ ; : :' ' !C : ' ! 9D ' S 6 C@ ; : :' ' OWHT ' :! : ; D : ('
C B' A C<(< F' 99D ' ; < ' < ' (; :' 6 @(<9 ' (C(<9 ' !9 ' (; :'
S 9 ; C(' C @ ; ' 9A' 9? : ' C ' !C ' C ' S ; 6 C FC ; ' CAC [
?< B<' < ' C 9' (; :' (C(<9 ' !9 ' 1 6 : :' C <(C <6D ' % 000'
: : (' C=9 :' :C' : : ' B< (C (' *O' D < : ' =E' (9 FC ' 9CB'
!9 ' @C (' ' ; < ' @C (' 6 ' B6 < C ' (; :' 6D D : ' D9 (; .'
C> =6 6FC 9A ' C(' C C> 9A' C B' :(

) - " - . &' C(< ' 9' 2 (

N 9D ?? 9UH' ?? 9U '

1 '(9' NC : ' <D : '

,9-*R ' B ' ;H

S6 (C 99'+ ' S<<99 BC 'A ; : :' < <(' (; :' C@>' CF9BC '
(9 : ; CD ?9 :' 96 (E' (C@>' ! 9D' CD =C ? ; ' (9'
9 6 BC ; ' A ; <@ ; '< '9 '(; :' 9CB' (9' C @6((C ' (; :'
: ; CD ?9 :' 9CB' (; :' ; < >C' C> :' < ' D :(' A<(; '
C B' @ 9 :B' =E' =9C((9' 6 @99 ' C B' S ; D =C ; '
 ; 99(< F' ?C (<: ' @9D :' ; : :' ! 9D' C @6((C' C B' : [
; CD ?9 :' B6 < F' (; :' ; < (DC ' ; 9 <BCE

C @ 1 Z '(; :' ' 1 ' E '0# D< : '! 9D' (C (' N< :' D< : '
 96(; '9 ! ' ; < C 'C'! : A' D< 6(: J AC >' A< ' (C> :' E96' (9'
(; :' ; < ' 9 ' A ; <@ ; ' (C B ' (; :' !CD 96 'M' 'D @ ; < 9?: Y'
A ; <@ ; '< '@: := C(: B' C 'C' 6BB=< (@' : <@ ' : : @96 (E'
!9 ' D< : 'C 96 B' < ' (6BB : B' A<(; ' 6BB ; < (: DC< ' =6(
9 E' C(' @ ; <'<(: !' C :'(; :' : D C< ' C=6 BC ('C B' A : '
? : : :B ' 2 :' D CE' =:' : : '@C < F '< 6 (C(< :'9 !' (; '
3 :C(' : 6 @<C(<9 ' C B' 9(; : ' < @<B : (' < ' (; :' <!: 9 !'
6BB ; C'< ' ?: !:@(' ? : : C(<9 ' C B' (; :' B : C< ' 9!' (; :'
6BB ; < (' A9 ; <?' C B' <(6C 'C ' (; : E'9=(C< :B' < ' (; :'
BCE '9 !' (; :' @: := C('B' 9>C' C :'< (: : (< F' DB<; A'
 C @ ; <' ' :!: :B' (9'=E' (=9' ; ' ! :'?' F < 9'NC' 2<C ' < '
; <' B: @ <?(<9 ' 9!' (; :' 3 :C(S< FB9D' 9 !' M' ; C'@ ; <Y'
 ; !. :'< '9 E' C' AC<(< F' ; C ' !9 '* B' @ C ' ?C : F: ' ' C(
 C @ ; < (C(<9 ' =6(< ; : :' < ' C BC>' =6< FC 9A ' A ; <@ ; ' ; C '
=: ' =6< ('=E' 2 ' 2 ' (; :' :F6 D ' 9!' ; 9?C ' A <(; < ' :C E'
B< (C @ :'9 !' (; :' (C(<9 ' ; : ' 1 C< ' (C< ' A< ' (9?' C(' C @ ; <
(9' (C> :' 6?'9 ' : ('B9A 'I< ('C B' :@9 B' @ C ' ?C : F: ' '
C B' (; :<' ' C ('9 ' 9(<@ ; ' =:< F' F< : ' < ' (; :' !9 D : '
@C :'(9' (; :' (C(<9 ' 1 C (: ' C @ ; <' C B' < ' (; :' C((: '@C :'
C(' (C <'9 ' ; 9?C '=E' 6@ ; ' ?C : F: '(C : < F'=E' 9A '
 1 C<' (C< ' A< ; < F' (9' .<F ; ('(; : : 'C B'C('' ; C <'9 ' < C'
=E' (; :' \ ?' 1 C<' (C<

C(C C Z E' 3 ' ' ' E ' (9' 99 C '(; : @ :' =E' ' 1 '
 E ' (9' C(C C' 9CB' (C(<9 ' +%%5 D< : R' A ; <@ ; ' < '
&0' D< : ' ! 9D' C(C C ' 9D =CE' (9' C(C) C' 99B '
 ' &W'# C B' ' TH*' 9 :EC @ ; ' C :' C A CE '
9=(C< C= :' C(' (; :' C< A CE' (C(<9 ' < (C @ :' ! 9D'
 99 C' =E' @C (' 9CB' TP D< : ' C B' T0 D< : ' ! 9D'
(; :' 9C (' N 9D' 1 C ; C= : ; AC ' *0' D< : ' C(C C'
AC '9 @ :' C ' <D ?9 (C (' 1 < <(C E' (C(<9 ' ' < ' &OT% (; :'
1 < <(C E' C (9 D : (' AC ' (B !: :B' (9' (; :' < <'
 6(; 9 <(<: ' C B' (; :' 1 6 <@<?C <(E' A ; ' <(' =:@C D :' C'
 < <' (C(<9 ' : :' (99? ' C(? : : (V6C (: B' (; :
@9 < (9!' W 9D ? D <9 '9!' C' 6 9?:C ' :F<D : (' C B' C'
 C(< :' !C (E' :F<D : (' C(C C' < ' (; 96F ; 96 ('
(; :E : C ' (; :' :C('9!' (; :'56BF :' 6=9 B< C(:' 56BF :' C B'
 < <' 6 F :9 ' 6 < F' (; :' C< '<('< '(; :2 :CB'V6C (: '
9!' (; :' 9 :@(9 ' C B' (; :' ? < (C (' C B' :<D (E' 9 [
 :@(9 ' (; :' 9 <@:' 6?: < (: B: (' (; :' < (@(' N9 ; ('
C B' (; :' F< : : < F' !!<@: ' (' < 'C' 9' (; :G : C(9!' (; :
 ; <:!' : : 6 :' C B' 9 <@ :' !!<@: ' 9!' (; :' C(C C'
 6=' < < <9 ' C B' < '? 9 <B :B' A <(; ' C' 1 6 <@<?C <(E'
 ; 6 @ ; '5C<' 96 (' ; 96 ; ' < <' 2 9 ?<(C ' 2 <F ; ' @ ; 99 '
 < <' 5C<' C B' @9D =< : B' 9 (' C B' : : F C? ; ' !!<@: '
 ; : :' < ' C' C : :)' 6 FC 9A' C B' C' N9 (' A ; <@ ; '< G
A : ' A 9 (; 'C' < <(' C(C C'< ' W *WO' ! : : (' C=9 :' :C' : : H

) J1 ( ) ' 3 \ ' ' 91

N 9D ?? 9U' ?? 9U'

1 '(9' NC : ' <D :

: C D Z <QC D)' (C(:' E ' P% D< : ' ! 9D' :@6 B: C=CB' .' =
NC : ' ' PHW C B' ' *H&'C B' W,' D< : ' ! 9D' K CB<'
6 @(<9 ' A<(;' (;:' 3'' ' E ' NC : ' ' W',' C B'
' 0'&W' ' ;< (9 <@C ' (9A ' <(6C(:B' 9 '(;:'=C >'9!'
(;:' < : ' : C D r C '9 B'?C C@:' C B' 9(;: ' 6< ' =6< B[
< F ' C B' C' N9 (' A9 (;' ::< F ' ' F C <(:' ?< C "
D 9 9 <(;' C=96(' ,O !::(' (C B ' 9 ' C' C< :B' ? C(!9 D
;< '(9A ' '< ' C<B'(9'=:' @9 (6:H:B' 9 ' * O5' A : ' * 5 '
2< B6' :D ? : ' C B' * OOO ;96 : ' C ' 9!' A ;<@;' C :'
C<B' (9' =:' 6 B: 'F 96 B' ;: :' < ' C' 6=(: C :C '
?C CF:' A ;<@;' :V6<(: ' :U? 9 < F' (9' 6 :C (;' (;:'
6??9 :B'(:C 6 :' A ;<@;'C=96 B '< '(;:' C6 (W#'&W' O

:< FC?C(C D Z 1 E 9 :' (C(:' E ' ! 9D' C FC 9 :'C B
' 1 CB C ' ;:' :<C' 9A 6(' 3C B: ' (;:' 9D = ' 9!'
EB: ' 2 'C B' <??99 Z(;:' 1 E 9 :' (<F: Z(;:' F :C('
CF9BC ' C B' (;:' :A C)' = <BF:' 9 : ' (;:' C6 : E'
;96 B'=:' :: ' %%' D< : ' ! 9D' C FC 9 :' <(E ' !C : '
' '&,'C B' 'W'%' 1 E 9 :'+V' R' < ' P' D< : ' !6 (;: '
K+ ' C FC 9 :R

; C ; C=CB Z <QC D)' 9D< <9 ' *%0(;'D< :CF:'3 ' ' ' E
<D :' (9 :' V6C E< F' < ' @C <:B' 9 ' :U(: < : E ' C B'
(;:' (9 :' < ' @;<:! E' 6 :B' !9 ' ! 99 < F ' A ;<@;' < C <[
C= E' 6 '< ' CE: ! 9D'(; ::'(9' <U'< @;: ' (;<@>' W * 'W' O' &Ti

; . 6 C Z E' ` ' ' E' =96(' N:= 6C E' C ' C 6C'
2< B99' !C< '< ';: B'C(' ;:A C(;' @96 (E' @C (' =:< F'
C C< C= : ' ; ' *

TCFC9 Z C F:'?9?6 96 ' C(< :'(9A ' +&& O%P' < =C=<(C (R
K : (' : C ' ,O D< : '! 9D' 9D=CE' CF?6 ' C @;' 3 ' '
< E' C:! : =D: (' C B' AC<(< F' 99D ' BC>' =6 FC<9A
1 :(C :B'= <BF:B' 9CB' (9' S ; C FC9 ' ć D< : ' 96 (E'
!<C(' = C@>'@9((9 ' 9< ' DC 'FCD:' A9'@9((9 '? : ' :'
+1 9!6 <' C B' C \' 9(;: R' ;: :' < ' C' DCB:' 9CB'
(9' >9 C ' 9((9 ' 1 C ('*T D< : ' (9' BC< C' &,' D< : ' (9'
C C99 '&,' D< : ' C B' (9' >9(:'O' D< : ' C C C'+V' R' &,'
D< : '!6 (;: ' W&',' O' &W

;< 9 F Z 2< ' (C(<9 ' C B' :C(' ' 39 : D: (' !9 ' CD
C(:C6', OOO' !::('C=9 :' :C' : : ' ? : B<B' @ <DC(:' C>'
=6 FC 9A

;9 C?6 ZWO*@B' D< : CF: ' &%'&&' O' &W<
;6 C?6 ' < ';:' C F: ('(9A '< '(;:' :@@C ' :U('(9' 99 C
C B' ;C ' C' ??? 6 C(<9 ' 9!' C=96('TO OOO' (' < ' (;:' 2 :CB[
V6C (: '9!'(;:' 9 :@(9 C(:' C B' (;:' 1 6 <@<?C <(E' < 'C '
<D ?9 (C ('9 :' :: :'< 'C' C F:' C< ACE' ??6 C(<9 :' C B'
:U(: < :' C< ACE' K 9 > ;9? ' : <B: ' (;:' C< ACE'
< ?: C E'(;: ':C :'(;: ::';9 ?<(C *'< '(;:' 9A @ 6B[
< F' C' CBE' 6!!: < '29 ?<(C'!9 ' K 9D : ' ;: :'< 'C' C>'
6 FC 9A' A<(;' C' D: DC ' C B' 9(;: 'B< (<@(' 9!!<@:
;: :' < ' C 9' C' 1 C 9 <@' 9BF:' (:;' M' 9EC ' 56=<: : Y
+ F < ;' @9 (<(6(<9 R' C B' C' C< ACE' @;99 ' ;: 9 B'
N9 ('< '!C < F'!C ('< (9' 6< ' K :C < F' < ' @C <:B' 9

2 \ 3 2' \ ' ' N , ,#

9D ?? 9U' ?? 'U'

1 ' (9 '' NC : ' <D : '

; 9 C?6 Z @9(<<B ' B' ;

; ; :'(9'C' C F:':U(: (' ; :' > 6>' C>: ' D< : 'B< (C ('

< ' C=96(' : : ' D< : ' < ' @< @6 D!: : @: ' ! 9D' A ;<@;'

< <FC(<9 '< '@C <:B'96(' 9 FC C B'9(; : ' : ;<@ : 'C :'

(9'=: ' ;CB ' <C?C ' A ;<@;' < ' 9< :B' (9' #;9 C?6 ' !9 '

56B<@<C '?6 ?9 : '< 'C=96('#O'D< : 'B< (C (' ;<>C ' :C '

=:'9=(C< :B' C(' C'B< (C @: ' :' C F:' ?< < F' C B'

K :C < F' 1 < '< '(; :' <(E ' ; :' (C(<9 ' < ' #OP #T!: :(

C=9 :' :C' : : ' &%'&&

<=<Z E' ' K ' E ' & %W#' D< : ' ! 9D' 9D=CE' =E' C<

:< F'C' 6 @(<9 ' (; :'? C@:'< ' F 9A< F' < ' <D ?9 (C @:

,C< E ' &O%'&*'

*<B ; ?6 r E' ' ' b' ' ' E' (9' ; D :BC=CB ' (; : @:' =E'

C ?6(C C' (C(:' E' (' < ' C ' C @<: (' ? C@:' 9 ' (; :'

=C > ' 9!'(; :' C C C(<' < : ' (' AC '(; :' K< B 9 ' 9!' (; :'

; C 6>EC'S< F ' 9!' 36Q: C('! 9D'(; :' (= (9' (; :' &*(; ' @: [

(6 E' C B' (< ' @9 (C< ' 9D :' ! CFD : (' 9!' (; :' ? : B<B'

6B C' 1 C C' @9D? :(:B' =E' <BB ;C' C C'< ' ' '&&,T' '

; 9 (' (CF:'(9'(; :'A : ('9!' <B ; ?6 '< ' C((C '(; :'9 B'@C?<(C '

9!'(; :' =C 6>EC 'C B' (< 'C' C F:' AC :B'(9A ' W , 'T' 0' &#

, D C Z ; <:!' C <(C <6D'C B' 6D D : '@C?<(C '9!' <(< ;' B<C

1 :C ' : : C(<9 ' C=9 :' :C' : : ' % 0O,' !: :(' < (C (' ! 9D'

\ D=C C' PO' D< : ' 9 B' D ; : (' AC ' (; :' !< (' 39 :D9 "

3: : C ' A ; 9' ?: (' C' 6D D : 'C(' <D C' &OW%' (' !< (' 9 E' C'

DC ' (C!!'9!'9! b@<C 'C@@9D ?C <:B'(; :' 39 : 9 '3 : : C ' (9'

B<C' =6(' < @:' (; :' CBD< < (C(<9 ' 9!' 9 B' CA : @:'

+&OT,R' <D C' ; C '=: : '(; :' 6D D : ' @C?<(C ' 9!' (; :' 39 : [

D : (' 9!' B<C' A<(; ' <(' :@ :(C <C(' C B' ; :CB'V6C (: '

: (C= < ; D : (' ; :' (C(<9 ' ; C ' F < ;'=C > ' 6D : 96 '

; 9? ' ; 9(: ' C B' C' @ 6= ' E' ' ' C B' 0 ' ' C B'

C ?6(C C' (C(:' E' (9' ; D :BC=CB' C B' : ; <' (; : @:'

=E'(; :' @<; <' \ D=C C' SC >C' E' (9' SC >C' & 0#W D< : '

(; : @:'=E'(9 FC'(9' <D C' ' % * ' , ' W' <

9'+ ' ' 1 ' E' ' \ D=C C' ' B< (C @:' & &&O' D< : ' ' □(; ' '

'& 9 *!R E'E' [' 9) ' (:CD : ' (A<@:' ' D 9 (; ' S ' P J' '

E' 6 (<C ' 9EB) ' (:CD : ' 9 '(; :' W& (' 9!

:C@;' D9 (;' ' & , #' &*'

E' ' 9)!' (:CD : ' !< 9D' C @6((C

A : : > E ' J ' (' F

. < FC : Z+ <QCD) R' 9@: :B' (9' 9DC>6' 6 @(<9 '

+V' R' C B' (; : ' P' D< : ' !6 (; : ' (; :' @9C' D< : ' C :'

:C@; :B' ' !C : ' : '0'&T'O' C B' : '0'O'0

< ; FC ; Z ' D C ' ; < ' C <(C <6D' 9@@6?<:B' =E' : <B : ('

! 9D' 99 C' B6 < F' (; :' ; 9(' :C 9 ' N 9D' 99 C'

@C <CF:' 9CB'(9'!99(' 9!' ; < '&,' D< : ' ?C < F' =E' (; :'

: A' S ; 6 6>AC C' CD'C@ 9 '(; :' 1 99(C' < : ' A ; <@ ;'

< '&O' D< : 'B< (C (' ! 9D' 99 C' ; :'C @: (' 9!' (; :' ; <

< 'D CB :'9 '@ ; C< '@C <:B' =E' @99 <: ' ' W%

< BC ?9 : Z C (9 D : (' 9!' 1 C AC' ; : : ' 9 ? ' C< '

(9' 1 ; 9A ' (; : @:' D C< '(9 FC'(9' ; C ' *T' D < : ' (; : @:'

?9 E'(9 FC'(9' < BC ?9 : ' C>' =6 FC 9A'C(' ; C ?

?? 9U ?? 9U

1 '(9Z' NC : <D :

< 6 Z 1 < <(C E' (C(<9 ' ;:CB'V6C (: ' 9!' (;:' ,(;' C B
C C E' + 99 C' 29 :R' ;:' C(< :' (9A ' C B' (;:'
C (9 D: (' (;:' < .;(' =C >' 9!' (;:' 39 ' < : ' ! 9D'
A;<@;' (;:' (9A ' (C>: ' <(' C:B' M 39 CBB:: Y' 9'
< 6 ' ! 9D' 99 C' =E' D:(C :B' 9CB' +,W D< : R' =E'
?;C:(9 '9 ' (9 FC' 1C<' (9 FC' ? 9? <:(9 ' 1C;9D:B'
C C ' S;C ' C(' 99 C' C B' < 6 ' ?:@<C' (9 FC
'&0' ;C:(9 ''@C '=:';< :B'! 9D'C E' 9!' (;:' BCA>'
@C <CF:'? 9? <:(9 '< ' 9 C

<(C?6 Z <(6C(:B'C' <((:'B< (C @:'!<)9 ;' (;:'=< '9;'(;:'=L. >'
9!'(;9' C< C < < : (;: :' C :' : : C' (:D? : ' =:C < F'
DC > '9!'C (<V6<(E

9;CF?6 Z E'3' ' ' E' : (C' 9 < @: ' ,P,'D< : '
! 9D' 9D=CE'C B'&WD< : '! 9D'5C=C ?6 'IC ' '' 'OO'&,'
C B' '&#'% ! 9D' 9D=CE'C B' ' %'&O C B' ' O'&*'
! 9D'5C=C ?6 ' C F:' :! : ;D: (' 99D' '(9A ' 9!'@9D[
D: @<C' <D?9 (C @:' : C<' 9 (' !!<@: ' : ('@CD?' !9'
(99? 'C B' 9@<:(E'9!'N <: B)' 1< <9 ' C F:'C B' DC '
FCD:

6 C(Z E' ' 'C B' ' ' E '&T% D< : &+'%' +' I
;:' B' 6(@;' C B' (;:' F< ;' 9D= ' (;:' 9@>'
9A: ' (;:' N9 (' C B' (;: :A' 29 ?<(C ' C : 9 @;'
< <(< F' 6 FC 9A' K C<(< F'C B' :! : ;D: (' 99D '
C B' ::?< F'C@@9D D 9BC(<9 ' 9 :EC @: 'C(' (;:' (C[
(<9 ' =96(' *' D< : ' ! 9D' 6 C(' (;:' < : ' C?(::'<'
@ 9 :B' =E' C '< 9 ' = <BF:' C=96(' &P0O ! : :(' 9 F' ;:'
?9?6 C(<9 ' 9!' 6 C('C ' C(:' C ' &%P% AC ': (<DC(:B'C('
OOO OOO' =6(' C ' 9D=CE' 9 :' 6 C(' B:@ < :B '6 (<'<'
&O,&'<(';CB'9 E' OO OOO' < ;C=<(C (' N 9D'&O,%<(' ? 9 [
?: <(E'F CB6C E'< @ :C :B'C B' < &O%W (;:'?9?6 C(<9 '
6D=: :B' &O% OOO' ;:' 9?: < F' 9!' (;:' C< ACE' (9'
9D=CE';C 'F :C(' E' :B6@:B' (;:' :U?9 (' C B'<D?9 ('
9!' 6 C('=E' :C' ;:' @<(E' <'@9 :@(:B' A<(;' (;:' < [
CF: '9 ' (;:'9??9 <(:'=C >'9!'(;:' C?(:'=E'(;:'88 2 9?:'Y
<BF:

6(C Z E' ' E '%*,' D< : '! 9D' 9D=CE'!C : ' .P'P
C B' 'W,'&*' 'C B'! 9D' 56==6 ?9 : ' &&O D< : ' !C : '
' &&'& C B' '#'O'T" ;:'LD E' :! : ;D : (' 99D' : :'
=:(A : ' C;C=CB' C B' 56==6 ?9 : ' F99B' DC E'
C< ACE'9!!<@<C ' : <B:' ;: :'<(' =:< F'C' M @;C F< F' (C[
(<9 'Y'!9 '(;:' : F< HO' 9'(;:' <CD9 B'D< : '9!' 6 C'
+V' 'R =E'C'F99B' 9CB' 96 (E'@C ('C B'?9 <: 'C C< [
C= :

CB?6(<ZWW% D< : '! 9D' 1CB C '!C ;' ' 'W& C B' 'O'
C B'&W*' D< : ' ! 9D' C<@;9 :' &O%,'(;: :'AC 'F :C(' 9 '
9!' <!:' 9 ' C@@96 ('9!'C' C< ACE'= <BF:' @9 C?< F' ;<' <C'
(;:' :C : (' (C(<9 ' (9' C (C $U ' A ;<@;' < ' *W D< : '
: : @:' A ;<:' ' % ' (;:' ?: B<B' (C >' ' < FC CD6 C'
@9 : < F'C 'C :C'9!'C=96(' :<F <(' V6C :' D< : ' @C '=:' ::
(' CB]R6(<' (A9' (:D?:' + < : 6'C B' ;< C?'C :'9!' @9 [
<B: C= :'< (: ? .(!9 ' (;:<' C @ <(:@(6 C' D: <(' ;:' C((:
<'9 '(;:' ;C >'9!'(;:' : 6<'C B'<'<'BC F: ' *#H%' & &.

N 9D' ?? 9U' ?? 9U

1 '(9 Z' NC : ' <D :

C 9 : Z E' 1 ' E '(9' 9B : ' (; : @ :' =E' ' ' E '(9' M' ' B'
@ ; < 9?9 E ' (; : @ :' (9' C6 9 : ' C>' =6 FC 9A ' : ,'
C CD C C'!9 ' C(< : 'C('C' ;9 ('B< (C @ :' : ;' 5C<5 ' C '
(; :' !< : (' 9!' <(' @ C ' +?E C< <B<@C R ' C :' A 9 (; '
: ;< F' 'C C 9' (; :' F<FC (<@' C@ :B'=6 ' @6 ?(6 9!'9 :' 9 <B' 9@>' '(; :' :!(' <B : 9!' (; :' ?E C D <B<@C '
(: D ? :' =6< (' ' &000' < ' C' !<F6 :' @C :B' :? :[
: (< F' C' 6 9?:C ' A<(; ' C' A<B : 'C A C>: ' =C(' 9 ' ;< '
; :CB ' ;< ' @6 ?(6 :' AC ' ?; 9(9F C?; :B' ?: @<C E'
!9 ' 2' ' 2 ' (; :' < @:' 9!' K C : ' A ; : ' ; :' < <(: B'
C 9 : ')+'&.

C C Z E' 3'' ' ' E ' W ' D < : ' !C :)' :' &'#' K C<(< F'
99D' C((C(<9 'C B' C' C : :)' 6 FC 9A' C B' D : "
D C '(; : :'V6C (: '9!' C' D \ :' ! 9D' (; :' (C(<9 ' 9' C'
; C CD C C'!9 ' C(< : 'C('C' ;9 ('B< (C @ :' : ;' 5C<5 ' C '
C @<: (' 9 (6F6 : :!9 ('< ' A9 (; 'C' < <(' (' ; C ' :@ : (E'
=: : '@9 : (: B'< (9'C' (9 F' ? < 9 ' @C @6 C(: B' (9' @9 (C< '
C'(; 96 C B'@9 <@('A ; : :'(; :' D C 6!C@(6 :'9!' : <C 'C B'
9((9 '@C ?: (' < ' C B'9(; : '@ 9(; ' 6 >: ('A 9 >' b @ '
< '@C <: B'9 ' ; : :'< 'C' F:' 3C B: ' A: ' >: <' C((; :'
5C< ' A ; <@ ; '< ' V6<(:' A9 (; ' C' < <(' ; : :' C :' (9: (C ('
C B' 9D C ' C(; 9 <@' @ ; 6 @ ; : ' '(; :' 9 ; 6 @ ; ' C B' 9!'(; :'
9(: (C (' ; 6 @ ;'+ ('5CD :) R A : :'< (: :B'(; :' ; <: ! ' 9!'
C :((:' C B' D C E' 9!!<@: '9!'(; :'FC < 9 ' A ; : ' ; 'C C'C'(
(; :' = : F< < F' 9!'(; < '@: (6 E' !9 <: B' (; :' 99 <<: ' =96 B[
C E' (9' (; :' <(< ; ' < B<C ' ?9 . : <9 ' ; :' 9D C ' C(; 9[
<@' C(; : B C' (C B '9 '(; :'=C > ' 9!' C' ?<@(6 : V6 :' C>:
('AC ' =6< ('< ' &T0P' ! : : E' C : '!' D : E' C' 6BB ; < ('
D 9 C (: E' C ; ' C=96('T D< : ' ! 9D' (; :' C< A C E' (C)<9
' C 6C' !C< ' M' ; : :' 36 (C <) C<) ' ; : B' < ' (; :'
D 9 (; '9!' 1 C @ ; 'C' D< ; ' C B' C' ; C ! ' ! 9D' (; ;' (C(<9 ; '<'
C F: E' ! : V6 : (: B'=E' 2< B6 ' ; :' ; C C' @ ; : >' ; ?C C(: '
(; :'< C B' 9!' C :((:'! 9D' (; ' DC< ' C B' C B' C!(: ' : C < F'
; C C'(; : < :'?C ; '(; 96F : '(A9' (6 ; ' A<(; ' (; :' =9 B'
; : CB C B' 9!' ; <>' 9 ' 9 :' <B: ' C B' !< : @: ' E' 9 ' (; : '
9(; : ' ; :' @ ; : >' < ' C <FC= : ' !9 ' D C ' @ C!(' 399B'
!< ; < F' 9 : EC @: Z 2 9 :' ; <F C D ' C B' ; 6 D <: '
C 9' 6 9@>' 3C <: ' ('(; :' (C(<9 ' <?: ' (: C ' C B'
A<BF : 9 'C :' (9' =: ' ; CB ' ! 9D' 9 : D =: ' (9' N : = 6C E' C< '
`6C< ' :B' `6C< ' 3 :E' ` C< ' 2 C : ' C B'(; :' C< (: B' C ("
<BF : '@C ' = : '=CB' ! 9D' 9 : D =: ' (9' 1 C @ ; ' K < B' 9C
C<> : :' C B' ?6 !9A ' D CE' =: ' D : (' A<(; '< ' (; : ' ; <F ; : ' C F :'
9!' ; < 'C B' C(' : <>' C(' C ' : C 9

C C' K C(: ' K 9 > Z =96('% D< : ' ! 9D' (; :' 3 ' '
E ' (C(<9 ' C(' (FC6 D ' +V ' ' ; < '< ' (; :' @ ; !!' 96 @ :'
9!'(; : ' A C(: ' 6?]R E' 9!' 9D=CE' C B' <(' 6=6 =
<(A C \ C Z E' 3 ' ' ' E ' '2< B99'!C< ' < ' ; : B'C 6C E '
C B' (; :' 1 C B C' NC< ' < ' C 9' ; : B' C=96(' N : = 6C E
C F :' F C D : '< '9=(C< C= :'< ' (; :' 6 : <F ; =9 D); 99 B ' #)'+' ' ,
< 6 ?C(<9 ' ; <?C(E'' E' 1 CB C ' C< A CE '< ' 0*' D< : ' ! 9D
' 1 CB C ' ' !C : ' ' $C B' '*' N 9D' C<@ ; 9 : 'WTT D< : ' '
!C : ' ' W#' C B' '&0' ; <' ' '@: := C(: B' 2< B6' ; < :'
9!' 96(; : ' B<C ' \ ??: ' < 6?C(<' 'W OOO' ! : : (' C B' 9A : '
< 6?C(<*#0' ! : : (' C=9 :' :C' : ' ; :' C((: ' <' C=96(' !96 '
D< : G' ! 9D' (; :' !9 D : ' ' 5C 6C E' (; :' (; : C9D : (: E

N 9D ?? 9U' ?? 9U'

-/' (9''J NC : ' <D : '

\ 9;C''+ ' K ' R' E' '1 ' C< ACE'%D< : '! 9D'5;C9 <' ' B' =
C6BC=96' C'D < : !<9D'(;:' :(AC' <BF: ' ;:' < :<<D '
(; 96F;'&Ø D< : '9!'(;< ' C(< :' (C(: ' ' C 6C'!C<'
0) M'(C>: '? C@:'C('(;:': B'9!'56 E' ;: :'C :' 9D :'
9 B'=6< B< F ' A 9 (;' :'< F
: CAC Z E' ' b' ' ' E' (9' K CB;AC *PØ D< : ''
(;: @:'=E' '3'5 ' E' (9' : CAC' + ' ;9 C' C B
5:(C C' 6 @(<9 ' W&P D < : *9HO
K : :> E'=E' ' ' ' 9' " (:CD:':U@:?('B6 < F' (;:'
D9 99
(C R56 @(<9 ' 9!' (;:' 3 ' ' ' E' A<(;:' (;:' <QCD)
%T(;' D< :CF:'! 9D' 9D=CE'!C :' ' W'Ø C B' '&&&W
N 9D' :@6 B: C=CB'&W& D < : '+Ø ;96 R' (;:'!C : '=:< F'
' 2'T C B' '*'&*' :! : ; D : (' 99D' ' @ 9 :'
=E' ;C F:'(C< '!9 '2 EB: C=CB' :! : ; D : (' 99D
: (' CD?'!9 '2 : '1 C : (E) ' <(< ;'(99?
K C 9 C'<K C B ; C' 9C' (C(:' C< ACER' ;< ' < ' (;:'
(: D< 6 ' : F(;' D< : '! 9D K C B ; C' CF?6 = C @ ; ''
;C BC' + ' R' < ' C=96(' *Ø D< : ' B< (C @ ; ' 3CD :'
? : (<!6 ' C : ' ! 9D' K C B';C' ' ,' ' ' W'W' C6B . .'
C C/<&#' K 99 '< '&W D< : '! 9D' ; : :' 99'<.
K C < B Z9 (;' D< : CF: ' 3 ' ' E' < : ' A ; : :' (;:'
C @: ('(9'(;:' ;6 '3 ;C6('=:F< ' ;:'D 96 (C< '?:C>'
@C :B' 1 C ;9 <' : : '! 9D' (;:' (C(<9 ' C :'C@@: <= :
+' : :>'@ 9 :'(9'(;:' (C(<9 ' C <FC= :'=E' DC '=9C('(9' .'' 0' (^
C ''9 'K 6 Z 'T% D< : '! 9D' :9(DC;' ' ;A')9CB'
;C '=:' :@: (E'@9 (6@(:B'A<(;'!< :' ?:@'(<9 '9 ' 'K ' '
=6 FC 9A ' 5;9BD9 'Ø D< : ' 6 <&% D< : ' SC C <'&,'
D< : ' 1C :FC9 '&*' D< : 'C B'(9' K 6 'Ø D< : ' !C< E'
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HALL LINE OF STEAMERS.

From Bombay to Suez, Port Said and Liverpool.

AGENTS IN BOMBAY—KILLICK NIXON & Co.

Cargo Steamers carrying neither Doctor nor Stewardess, but which have good accommodation for a few passengers, 1st class only.

RATES OF PASSAGE MONEY.

From Marseilles ..... Rs. 400
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PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY.

OFFICES :—RAMPART ROW.

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RETURN FARES—FOR FOUR MONTHS.

	Brindisi, Marseilles or Venice. *Both ways.*	Brindisi, Marseilles or Venice. *One way* and London. *One way.*	London. *Both ways.*
First Class	Rs. 1,000	Rs. 1,050	Rs. 1,100
*Second Class	,, 600 / ,, 675	,, 650 / ,, 725	,, 700 / ,, 775

FOR SIX MONTHS.

First Class	Rs. 1,100	Rs. 1,150	Rs. 1,200
Second Class	,, 650 / ,, 725	,, 700 / ,, 775	,, 750 / ,, 825

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First Class	Rs. 1,200	Rs. 1,250	Rs. 1,300
Second Class	,, 700 / ,, 775	,, 750 / ,, 825	,, 800 / ,, 875

	First Cl.	Second Cl.
To King George's Sound, and back, available for nine months	Rs. 640	Rs. 375 & 431
To Adelaide, Melbourne and Sydney and back, available for nine months	,, 710	,, 450 & 518
To Colombo and back, available for three months	,, 150	,, 75
To Calcutta and back, available for three months	,, 330	,, 165 & 190
To Penang or Singapore and back, available for six months	,, 450	,, 255 & 293
To Hong-Kong and back, available for six months	,, 630	,, 390 & 449
To Shanghai or Yokohama & back, available for six months	,, 750	,, 465 & 535
To Aden and back, available for six months	,, 425	,, 265 & 305
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* The lower rates are for inside and lower deck berths.

RATES OF BOAT FARES FOR BOMBAY HARBOUR.

JOLLY BOATS.	Fair Season. Crew 5 men.		Monsoon. Crew 5 men.	
	Rs.	A.	Rs.	A.
In Harbour per day	1	8	2	8
Half a day under 6 hours	1	0	1	4
Trip to a ship in the Harbour and there discharged.	0	6	0	10
Trip of 2 hours	0	12	1	0
Every additional hour	0	3	0	4
Trip to a vessel below the Middle Ground	0	14	1	4
Ditto and back	1	2	1	10
DINGHIES.	**Crew 4 men.**			
In Harbour per day	2	0	3	0
Half a day under 6 hours	1	0	1	8
Trip to a ship in the Harbour and there discharged	0	8	1	0
Trip of 2 hours	0	10	1	6
Every additional hour	0	2	0	3
Trip to a vessel below the Middle Ground	0	10	1	4
Ditto and back	1	0	2	0
SUMBOOKS AND TONIES	**Crew 2 men.**			
Trip to a ship in the Harbour	0	3	0	5
Ditto and back	0	5	0	8
All day	1	0	1	4

BOATS LICENSED UNDER ACT VI. OF 1863.

BUNDER BOATS.	Fair Season.				Monsoon.			
Season Limits—Fair Season from 1st October to 31st May; Monsoon from 1st June to 30th September.	Crew 13 men.	Crew 11 men.	Crew 9 men.	Crew 7 men.	Crew 13 men.	Crew 12 men.	Crew 9 men.	Crew 7 men.
	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
Trip to Panwell or Tanna	9 0	8 0	7 0	6 0	12 0	10 0	9 0	8 0
Ditto Colsett Bunder	11 0	10 0	9 0	8 0	14 0	12 0	11 0	10 0
Ditto Bhewndy, Bassein, or Nagotna	13 0	12 0	11 0	10 0	15 0	13 0	12 0	11 0
Ditto Elephanta or Butcher's Island	6 0	5 0	4 0	3 0	8 0	7 0	6 0	5 0
Ditto on board of a ship in Harbour, and discharged within 4 hours	3 8	3 0	2 8	2 0	5 0	4 8	3 8	3 0
Ditto ditto 2 hours	2 12	2 4	1 12	1 4	3 8	3 0	2 8	2 4
Ditto on board of a ship below the Middle Ground.	6 0	5 0	4 0	3 0	7 0	6 0	5 0	4 0
Detained for more than 4 hours until the hire comes to a day charge, per hour	0 8	0 6	0 5	0 4	0 10	0 8	0 6	0 5
Per day	6 0	5 0	4 0	3 0	7 0	6 0	5 0	4 0

RATES OF TRAMWAY FARES.

From SASSOON DOCK to—	a.	p.
Grant's Buildings	0	6
Boree Bunder	1	0
Railway Crossing, Carnac Bunder via Frere Road	1	6
Crawford Market via Carnac Bridge	1	6
Crawford Market via Money School	1	6
Money School via Crawford Market	1	6
Pydownee	1	6
Any Point beyond Crawford Market on Waree Bunder Line.	2	0
Any point beyond Pydowni .	2	0
Any point beyond Money School on Girgaum line	2	0
Via Frere Road to any point beyond Carnac Ry. Crossing ...	2	0
J. J. Hospital via Kalbadevi or Crawford Market and Corner of Grant Road	2	0
Corner of Grant Road via Kalbadevi or Crawford Market and J. J. Hospital	2	0
From GRANT'S BUILDINGS to—		
Bori Bunder, (Frere Road) ...	1	0
Crawford Market	1	0
Money School	1	0
Crawford Market via Frere Road and Carnac Bridge	1	6
Jail Road	1	6
Thakurdwar	1	6
Railway Crossing, Carnac Bunder	1	6
Khetwadi Back Road	1	6
C. P. Tank	1	6
Any point beyond Khetwadi Back Road	2	0
Any point beyond Jail Road	2	0
Portuguese Church	2	0
Waree Bunder	2	0
Two Tanks	2	0
Jacob's Circle	2	0
From SECRETARIAT or DOCK GATE to—		
Pydownee	1	0
Thakurdwar	1	0
Carnac Railway Crossing... ...	1	0
Money School via C. Market ...	1	0
Market via Money School. ..	1	0
Portuguese Church...	1	6
Waree Bunder	1	6
Jail Road	1	6
Khetwadi Back Road	1	6
C. P. Tank	1	6

From SECRETARIAT or DOCK GATE to—	a.	p.
Any point beyond Jail Road ..	2	0
Any point beyond Khetwadi Back Road..	2	0
Two Tanks	2	0
Jacob's Circle	2	0
From DOCK GATE to—		
Crawford Market via Carnac Bridge	1	0
From ELPHINSTONE CIRCLE to—		
Waree Bunder via Frere Road ...	1	0
From BORI BUNDER JUNCTION to—		
Crawford Market	0	6
Money School via Crawford Market	1	0
Market via Money School ..	1	0
Portuguese Church...	1	0
Waree Bunder.	1	0
Jail Road	1	0
Khetwaddy Back Road	1	0
C. P. Tank	1	0
Two Tanks	1	6
Corner of Grant Road via Kalbadevi or Crawford Market and J. J. Hospital	1	6
J. J. Hospital via Kalbadevi or Crawford Market and Corner of Grant Road	1	6
Mazagon	1	6
Grant Road	1	6
Tardeo	1	6
Jacob's Circle	1	6
Victoria Gardens	1	6
Any point beyond V. Gardens ...	2	0
From BORI BUNDER (FERRE ROAD) to—		
Money School	1	0
Pydowni via Nagdevi Street ...	1	0
Pydowni via Kalbadevi	1	6
Thakurdwar	1	6
Two Tanks	1	6
Corner of Grant Road	1	6
Bellasis Road	1	6
C. P. Tank	1	6
Portuguese Church	2	0
Corner of Grant Road via J. J. Hospital	2	0
J. J. Hospital via Corner of Grant Road	2	0
Mazagon	2	0
Any point beyond Bellasis Road.	2	0
Any point beyond Corner of Grant Road	2	0
Jacob's Circle	2	0

From WARI BUNDER to—	a. p.
Two Tanks	1 6
Corner of Grant Road ...	1 6
Bellasis Road	1 6
C. P. Tank	1 6
Portuguese Church ...	2 0
Corner of Grant Road via J. J. Hospital	2 0
J. J. Hospital via Corner of Grant Road	2 0
Any point beyond Bellasis Road.	2 0
Any point beyond Corner of Grant Road	2 0
Mazagon	2 0
Jacob's Circle	2 0

From CRAWFORD MARKET to—	
Pydowni via Nagdevi Street	0 6
Money School	0 6
Jail Road via Money School	1 0
Khetwadi Back Road via Money School	1 0
Portuguese Church ...	1 0
Money School via Nagdevi Street and Pydowni ...	1 0
Wari Bunder	1 0
Bellasis Road	1 0
Two Tanks	1 0
C. P. Tank via Nagdevi Street or Money School ...	1 0
Corner of Grant Road ...	1 0
Two Tanks via Money School	1 6
Corner of Grant Road via Nagdevi Street or Kalbadevi and J. J. Hospital ...	1 6
J. J. Hospital via Kalbadevi or Nagdevi Street and Corner of Grant Road	1 6
Mazagon via Nagdevi Street or Money School ...	1 6
Grant Road via Money School or Nagdevi Street ...	1 6
Jacob's Circle via Money School or Nagdevi Street ...	1 6
Tardeo via Nagdevi Street or Money School	1 6
Victoria Gardens via Money School	1 6
Parel	1 6
Parel via Money School ...	2 0

From MONEY SCHOOL to—	
Pydowni via Kalbadevi ...	0 6
Crawford Market	0 6
Jail Road via Crawford Market	1 0
Khetwadi Back Road via Crawford Market	1 0

From MONEY SCHOOL to—	a. p.
C. P. Tank via Kalbadevi or Crawford Market ...	1 0
Wari Bunder	1 0
Portuguese Church... ...	1 0
Bellasis Road via Kalbadevi	1 0
Corner of Grant Road via Kalbadevi	1 0
Two Tanks via Crawford Market.	1 6
Corner of Grant Road via Kalbadevi or Crawford Market and J. J. Hospital	1 6
J. J. Hospital via Kalbadevi or Crawford Market and Corner of Grant Road	1 6
Victoria Gardens via Crawford Market and Bhendi Bazar	1 6
Mazagon via Crawford Market or Kalbadevi	1 6
Grant Road via Kalbadevi or Crawford Market	1 6
Tardeo via Kalbadevi or Crawford Market	1 6
Jacob's Circle via Kalbadevi or Crawford Market	1 6
Parel via Kalbadevi	1 6
Parel via Crawford Market ...	2 0

From THAKURDWAR to—	
Carnac Railway Crossing ...	1 0
Wari Bunder	1 6
Bellasis Road via Kalbadevi or Crawford Market and Bhendy Bazaar	1 6
C. P. Tank via Crawford Market or Kalbadevi	1 6
Corner of Grant Road via Kalbadevi or Crawford Market and Falkland Road	1 6
Two Tanks via Crawford Market or Kalbadevi	1 6
J. J. Hospital via Crawford Market or Kalbadevi and Corner of Grant Road	2 0
Corner of Grant Road via Kalbadevi or Crawford Market and J. J. Hospital	2 0
Mazagon	2 0
Any point beyond Bellasis Road,	2 0
Any place beyond Corner of Grant Road	2 0
Any place beyond Two Tanks ...	2 0

From PORTUGUESE CHURCH to—	
Carnac Railway Crossing ...	1 6
Pydowni via Kalbadevi or Crawford Market	1 6
Any point beyond Pydownee ...	2 0

From PYDOWNEE to— a. p.
Waree Bunder via Abdool Rehman Street 1 0
Carnac Railway Crossing via Kalbadevi... ... ... 1 0
Thakurdwar via Abdool Rehman Street or Kalbadevi 1 0
Parel via Bhendy Bazaar ... 1 0
Grant Road via J. J. Hospital, Two Tanks or Falkland Road.. 1 0
Victoria Gardens via Corner of Grant Road or Duncan Road... 1 0
Mazagon via Bhendy Bazaar, Corner of Grant Road or Two Tanks 1 0
Grant Road via Bhendy Bazaar Falkland Road or Duncan Road 1 0
Tardeo via Bhendy Bazaar, Falkland Road or Duncan Road 1 0
Jacob's Circle via Bhendy Bazaar, Falkland Road or Duncan Road 1 0
C. P. Tank via Bapoo Khote St. 1 0
Parel via Duncan Road or Falkland Road... ... ... 1 6
Wari Bunder via Kalbadevi ... 1 6
Portuguese Church... ... ... 1 6

From COWASJI PATEL TANK to—
Grant Road via Two Tanks or Falkland Road 1 0
Tardeo via Two Tanks or Falkland Road 1 0
Jacob's Circle 1 0
Mazagon via Two Tanks... ... 1 0
Victoria Gardens via Two Tanks. 1 0
Bellasis Road via Pydowni ... 1 0
Carnac Railway Crossing ... 1 0
Victoria Gardens via Pydowni ... 1 6
Parel via Two Tanks or Pydowni. 1 6
Mazagon via Pydowni 1 6

From CORNER of GRANT ROAD to—
J. J. Hospital via Grant Road Extension 0 6
Bellasis Road via Pydowni ... 1 0
Two Tanks via Null Bazaar and Duncan Road 1 0
Jacob's Circle via Null Bazaar... 1 6
Victoria Gardens via Null Bazaar and Grant Road Extension or via Pydowni 1 6
Parel via Pydowni or Two Tanks 1 6

From CORNER of GRANT ROAD to— a. p.
Mazagon via Null Bazaar & Grant Road Extension or Pydowni... 1 6

From GRANT ROAD to—
Mazagon 1 0
Tardeo... ... ... 1 0
Jacob's Circle 1 0
Victoria Gardens via Grant Road Extension 1 0
Two Tanks via Null Bazaar ... 1 0
Mazagon via Pydowni 1 6
Victoria Gardens via Pydowni ... 1 6
Parel 1 6
Jacob's Circle via Null Bazaar... 1 6
Parel via Pydowni... ... ... 2 0

From TARDEO to—
Jacob's Circle 1 0
Victoria Gardens 1 0
Mazagon 1 0
Two Tanks via Null Bazaar ... 1 0
Jacob's Circle via Null Bazaar... 1 6
Mazagon via Null Bazaar and Two Tanks 1 6
Parel via Two Tanks and J. J. Hospital or via Pydowni ... 1 6

From JACOB'S CIRCLE to—
Bellasis Rd. (on Ripon Rd. line) 0 6
Victoria Gardens 1 0
Hancock Bridge 1 0
Mazagon 1 6
Parel 1 6
From Bellasis Road (on Ripon Road line) to Null Bazaar ... 0 6

From HANCOCK BRIDGE to—
J. J. Hospital 0 6
Mazagon 0 6
Parel 1 0

From MAZAGON to—
Victoria Gardens 1 0
Two Tanks via Pydowni 1 6
Parel 1 6

From BELLASIS ROAD to—
Two Tanks via Pydowni... ... 1 0

From PAREL to—
Two Tanks via Pydowni... ... 1 6

The above fares are by direct routes. By indirect routes an extra charge of one anna will be made.

Children under three years of age not occupying seats are carried free.

Children under ten are charged half fare, but no fare will be less than half anna.

Half-anna will be charged for half the One and half-anna fare.

Any child paying only half fare is not entitled to a seat if the same is wanted by a full-paying passenger.

THE MOST EXALTED ORDER OF THE STAR OF INDIA.

(INSTITUTED 23RD FEBRUARY 1861, ENLARGED 1866, 1875 AND 1876.)

SOVEREIGN.

Her Most Gracious Majesty the Queen and Empress of India.

GRAND MASTER.

His Excellency the Right Hon'ble the Viceroy and Governor-General of India.

EXTRA KNIGHTS GRAND COMMANDERS.

1861.

H. R. H. Albert Edward, Prince of Wales.

1869.

H. R. H. Alfred Ernest Albert, Duke of Edinburgh.

1877.

H. R. H. Arthur Wm. Patrick Albert, Duke of Connaught and Strathearn.

H. R. H. Field Marshal George William Frederick Charles, Duke of Cambridge.

HONORARY KNIGHTS GRAND COMMANDERS.

1879.

H. H. Beglar Begi Mir Muhammed Khodadad Khan, Wali of Khelat.

1885.

H. H. Sir Abdur Rahman Khan, Amir of Afghanistan.

1896.

Sir Nabar Pasha, G.C.M.G., late Resident and Minister of the Interior, Egypt.

FIRST CLASS, OR KNIGHTS GRAND COMMANDERS. (G.C.S.I.)

1872.

The Earl of Northbrook.

H. H. Nawab Shah Jehan, Begum of Bhopal, Member of the Imperial Order of the Crown of India.

1873.

General Sir N. B. Chamberlain, late Ben. Army, G.C.B.

1878.

Sir Richard Temple, Bart., late B.C.S., C.I.E.

Sir John Strachey, late B.C.S., C.I.E.

1879.

H. H. Raja Hira Sing Malwandar Bahadur, of Nabha.

General Sir Frederick Paul Haines, C.I.E.

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1895.

The Hon'ble Mr. Charles Cecil Stevens, I.S.C.

Major-General Alex. Robert Badcock, C.B., I.C.S.

Donald Mackenzie Smeaton, Esq., I.C.S.

Stephen Jacob, Esq , I.C.S.

Col. William Francis Prideaux, I.S.C.

Alan Cadell, Esq., I.C.S.

Sir Alexander Edward Miller, Kt. S.C.

Charles Montgomery Rivaz, Esq., I.C.S.

Arthur Forbes, Esq., I.C.S.

Kerala Varma Valiya Koil, Tamburan, Consort of H. H. Raja Rajeshwari Rani Lakshmi Bai Sahiba, C.I., Senior Rani of Travancore.

Col. John Pennycuick, R.E.

1896.

Brig.-Genl. Montagu Gilbert Gerard, C.B., I.S.C.

Lt.-Col. David William Keith Barr, I.S.C.

Denzil Charles Jelf Ibbetson, Esq., I.C.S.

The Hon'ble Mr. James John Digges La-Touche, I.C.S.

Arthur Upton Fanshawe, Esq., I.C.S.

James Fairbairn Finlay, Esq., I.C.S.

Joseph Parker, Esq.

1897.

The Hon'ble Mr. John Nugent, Bo. C. S.

C. L. Tupper, Esq., I.C.S.

A. H. L. Fraser, Esq., I.C.S.

Mr. Hugh Barnes, Governor-General's Agent in Baluchistan.

Mr. Clement Colvin, of the India Office.

Surgeon-Major-General Hooper, of the India Office.

Mr. John Molesworth.

Mr. Macpherson, Legislative Secretary.

Hon'ble. Mr. Monteath, Chief Secretary, Bombay.

Hon'ble Mr. Bolton, Chief Secretary, Bengal.

Mr. Horace Moule, Rohilkhad Commissioner.

Surgeon-Major-General Cleghorn, Sanitary Commissioner.

Colonel Gracey, P. W. D.

Colonel Miley, Military Accountant-General.

Colonel Baird, late Mint Master, Calcutta.

Khachar Ala Chela, Chief of Jasdan.

Mr. Henry Babington Smith, Viceroy's Private Secretary.

Mr. Henry Anderson, late of the Afghan Boundary Commission.

Captain McMahon, Political Agent.

Mr. Robert Steel, merchant, Calcutta.

Sardar Kashi Rao Sarve, of Gwalior.

1898.

The Hon'ble Mr. Henry Evan Murchison James.

The Hon'ble Mr. James Knox Spence

The Hon'ble Mr. Finucane.

The Hon'ble Mr. M. C. W. Odling.

Raja Sir Tasaduck Rasulkhan.

Mr. J. A. Bourdillon.

Mr. A. W. Cruikshank.

Mr. T. W. Holderness.

Mr. David Norton.

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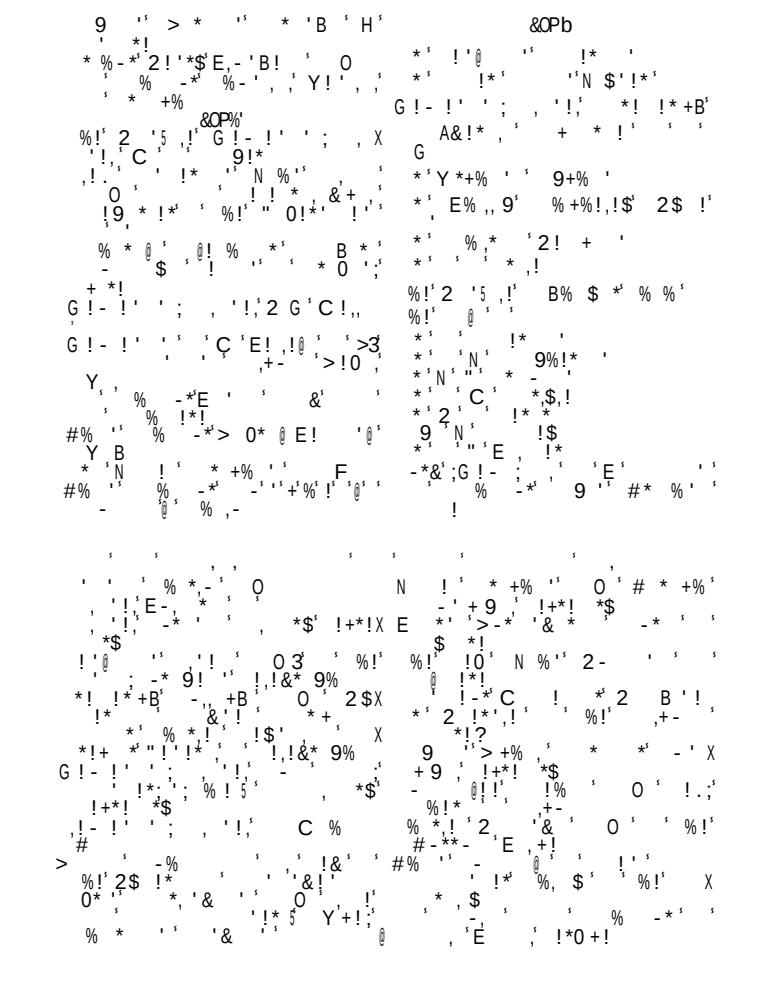

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Limri (Bombay)—Sir Jaswantsingji Fatehsingji, K.C.I.E., Thakur Sahib of, 39, Jhala Rajput, 343·96 sq. mls., Pop. 48,176, Rev. Rs. 2,72,000. Pol. Agent, Kathiawar (Rajkot).

Lunawara (Bombay)—Maharana Sri Sir Vakhatsingji, K.C.I.E., Raja of, 38, Solanki Rajput, 388 sq. mls., Pop. 90,147, Rev. Rs. 2,35,000. Pol. Agent, Rewa Kantha (Godhra).

Maihar (Central India)—Raja Raghbir Singh, 54, Jogi, 400 sq. mls., Pop. 77,438, Rev. Rs. 74,000. Pol. Agent, Baghelkhand (Rewah *via* Sutna).

Maler Kotla (Punjab)—H. H. Nawab Muhammad Ibrahim Ali Khan Bahadur, 40, Afghan, 162 sq. mls., Pop. 75,755, Rev. Rs. 3,14,000. Commr. and Supdt., Delhi Divn. (Delhi).

Mandi (Punjab)—H. H. Raja Bije Sen Bahadur, 53, Chandrabansi, 1,131 sq. mls., Pop. 166,923, Rev. Rs. 4,06,000. Commr. and Supdt., Jullunder Divn. (Jullunder)

Manipur (Assam)—H. H. Raja Chura Chand, 13, Kshatriya, 8,000 sq. mls., Pop. 221,070 (1881), Rev. Rs. 2,45,000. Pol. Agent, Manipur (Manipur).

Marwar [Jodhpur] (Rajputana)—H. H. Raj Rajeshwar Maharajadhiraj Sir Jaswant Singh Bahadur, G.C.S.I., 18, Rahtor Rajput, 34,963 sq. mls., Pop 2,528,178, Rev. Rs. 41,57,000. Resident, Western Rajputana States (Jodhpur).

Mewar [Udaipur] (Rajputana)—H. H. Maharana Dhiraj Sir Fateh Singh Bahadur, G.C.S.I., 49, Sisodiya Rajput, 12,753 sq. mls., Pop. 1,863,126, Rev. Rs. 37,50,000. Resident, Meywar (Oodeypore).

Morvi (Bombay)—H. H. Sir Waghji Ravaji, K.C.I.E., Thakur Sahib of, 40, Jareja Rajput, 821·6 sq. mls., Pop. 105,335, Rev. Rs. 10,73,000. Pol. Agent, Kathiawar (Rajkot).

Mysore (Southern India)—H. H. Maharaja Krishnaraj Wadiar Bahadur, G.C.S.I., 14, Kshatriya, 27,936½ sq. mls., Pop. 4,843,523, Rev. Rs. 1,51,64,000. Resident, at Mysore (Bangalore).

Nabha (Punjab)—H. H. Farzand-i-Arjumand Akidat Paiwand Daulat-i-Inglishia Barar Bans Sarmur Raja Sir Hira Singh Malwandar Bahadur, G.C.S.I., 55, Sidhu Jat, Sikh, 936 sq. mls., Pop. 282,756, Rev. Rs. 7,00,000. Directly under the Lieut.-Governor (Punjab).

Nagod (Central India)—Raja Jadabind Singh, 43, Parihar Rajput, 450 sq. mls., Pop. 84,083, Rev. Rs. 1,50,000. Pol. Agent, Baghelkhand (Rewa, *via* Sutna).

Narsinghgarh (Central India)—H. H. Raja Mahtab Singh, 56, Umat Rajput, 720 sq. mls., Pop. 112,427, Rev. Rs. 4,50,000. Pol. Agent, Bhopal (Sehore).

Nawanagar (Bombay)—H. H. Sri Jasvatsingji Vibhaji, Jam of, 16, Jareja Rajput, 3,791·3 sq. mls., Pop. 379,611, Rev. Rs. 24,85,000. Pol. Agent, Kathiawar (Rajkot).

Orchha (Central India)—H. H. Saramad-i-Rajaha-i-Bundelkhand Maharaja Mahindra Sawai Sir Pratap Singh Bahadur, K.C.I.E., 44, Bundela Rajput, 1,933 sq. mls., Pop. 333,389, Rev. Rs.9,00,000. Pol. Agent, Bundhelkhand (Nowgong).

Palanpur (Bombay)—H. H. Sir Sher Muhammad Khan, K.C.I.E., Dewan of, 46, Pathan, 3,150 sq. mls., Pop. 274,864, Rev. Rs. 5,88,000. Pol. Supdt., Palanpur (Palanpur).

Palitana (Bombay)—Thakur Sahib Mansingji Sursingji K.C.S.I., 35, Gohel Rajput, 288·8 sq. mls., Pop. 60,848, Rev. Rs. 4,75,000. Pol. Agent, Kathiawar (Rajkot).

Panna (Central India)—H. H. Maharaja Lokpal Singh Bahadur, 48, Bundela Rajput, 2,563 sq. mls., Pop. 239,052, Rev. Rs. 5,00,000. Pol. Agent, Bundelkhand (Nowgong).

Partabgarh (Rajputana)—H. H. Maharawal Ragunath Singh Bahadur, 40, Sisodiya Rajput, 886 sq. mls., Pop. 87,975 ,Rev. Rs. 2,67,000. Resident, Meywar (Oodeypore).

Patiala (Punjab)—H. H. Farzand-i-Khas-i-Daulat-i-Inglishia Mansur-i-Zaman Amir-ul-Umara, Maharaj-dhiraj Rajeshwar Sri Maharaja-i-Rajagan Rajendra Singh Mahindra Bahadur, 26, Sidhu Jat, Sikh, 5,051 sq. mls., Pop. 15,83,521, Rev. Rs. 57,81,000. Directly under the Lieut.-Governor, Punjab.

Porbandar (Bombay)—H. H. Rana Sri Vikramatji Khimaj, 79, Jetwa Rajput, 636·5 sq. mls., Pop., 85,785, Rev., Rs. 4,75,000, Pol. Agent, Kathiawar (Rajkot).

Pudukota (Madras)—H. H. Sir Brahadamba Das Martanda Bhairava Tondiman Bahadur, 23, Kallar, 1,101 sq. mls., Pop. 373,096, Rev. Rs. 10,00,000. Pol. Agent, Pudukota (Trichinopoly.)

Rajgarh (Central India)—H. H. Raja Balbahadar Singh, 39, Umat Rajput, 612 sq. mls., Pop. 122,641, Rev. Rs. 3,50,000. Pol. Agent, Bhopal (Sehore).

Rajkot (Bombay)—Thakur Sahib Lakhali Bawaji, 11, Jareja Rajput, 281·71 sq. mls., Pop. 49,038, Rev. Rs. 2,86,000. Pol. Agent, Kathiawar (Rajkot).

Rajpipla (Bombay)—H. H. Maharana Gambhirsinghji, Raja of, 50, Gohel Rajput, 1,574 sq. mls., Pop. 1,71,771, Rev. Rs. 8,00,000. Pol. Agent, Rewa Kantha (Godhra).

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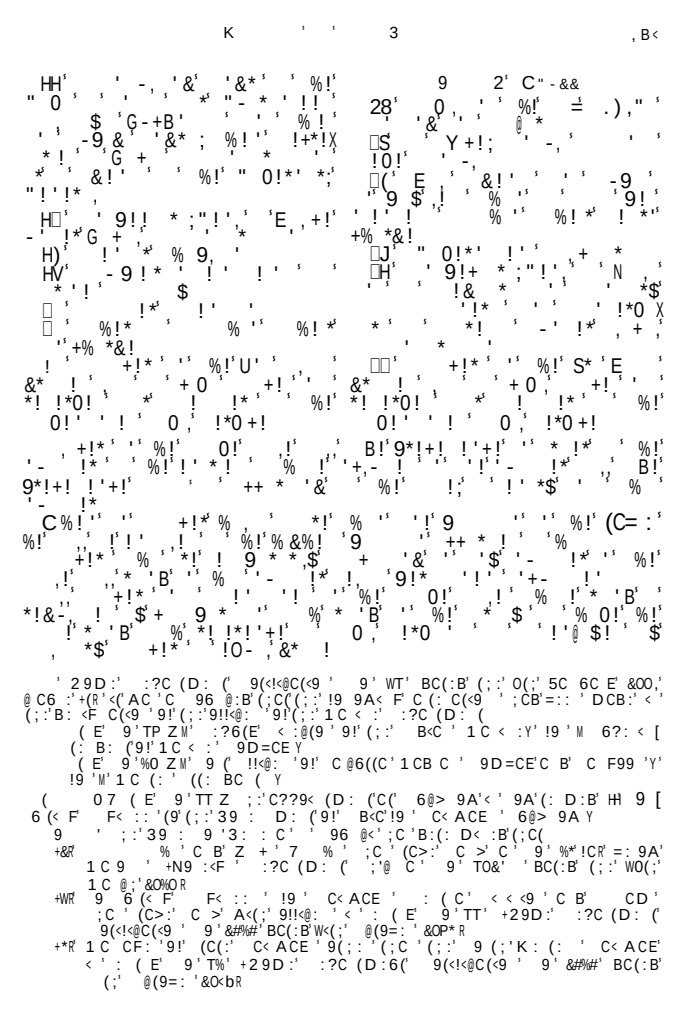

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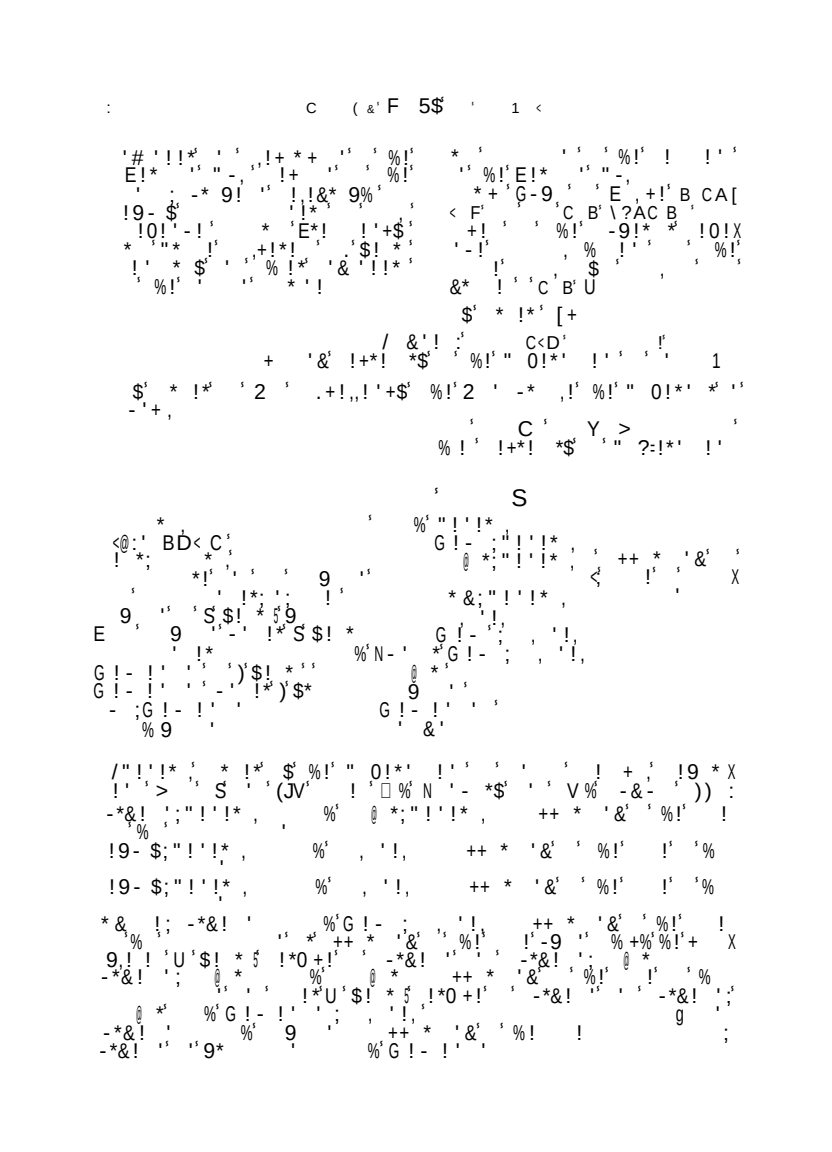

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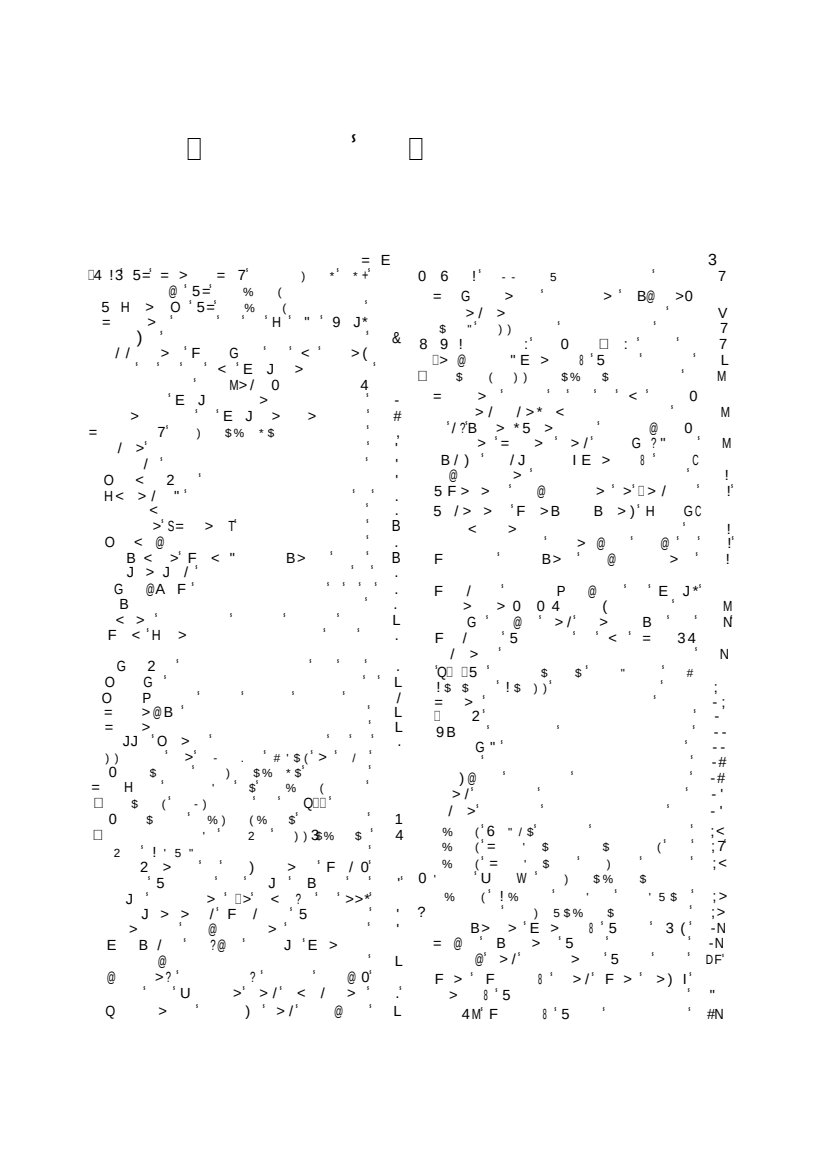

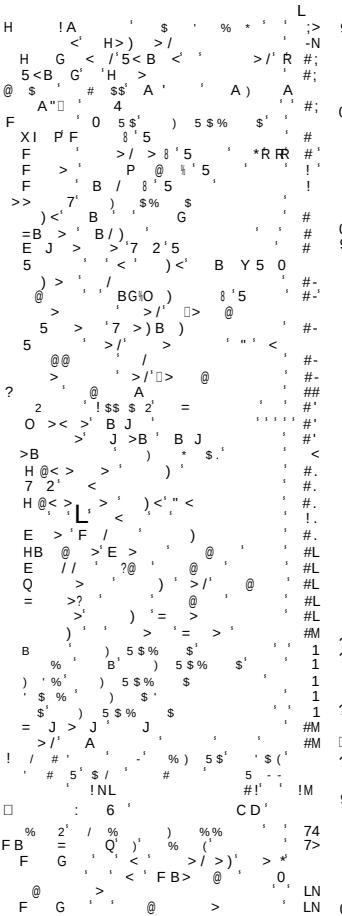

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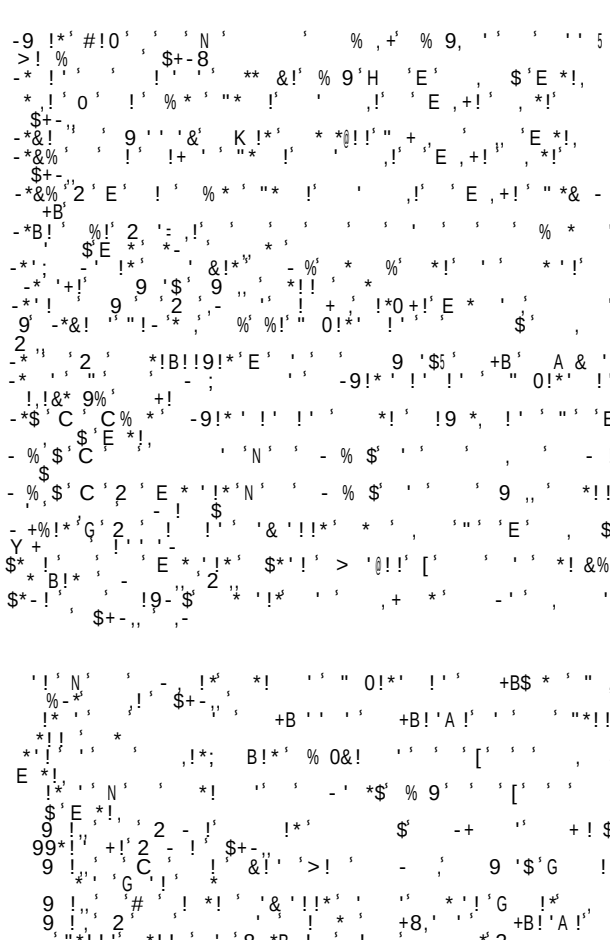
+ * % ' ,+ * ' E* + * ' ' ' > * ! ' E - , + ' !& * *'
' %!' +! ! ' >!9! ' ' ! ' ' ' *' 2 ,,
% ,, ' ' '& '!' * 0!*' H ' E ' , $' $+ - ,,
,!*' Nb' '& '!' * 0!*' " ' ' E ' , $' $+ - ,,
$ ' G ! - !' ' ' ' ' ' ! ' 2 ' C ' ' ' ' ' ' ! + ,'
! 0 +!' E%$ + ' ' ' ' ' ! *&!5 ' 2 9 ,
$ ' ' ' ' ' % ! ' -9!*' ! ' ! ' ' , *$' !9 * !' '
!+*! * ' >! ' * ' ' $+ - ,,
$ ' N ' ' '& '!!*' $' +!' + *$' *!*!' ' * '
$,! !' E ' N ' !+ ' ' "* !' +!*' - ' E*!0!' 0!'
!*0 +!' 9 ,, ' !+, '
$,! !' C ' 2 ' ' 9!+ *' - ' E*!0!' 0!' !*0 +!' , '
- ! $
* +!' G ' G ' ' ' > ' ' !9 * !' ' ** $' ' ' > 0$'
; 9!* 0!' + ! $' G ! 7 %!' E* *$ 1' E* '+!5 ' +B'
!!'
* - *$' ' ' E * '!*' * - *$' ' ' * $' '& '!!*' ' '
+% '!*$' !*+% ' ' *-+!' G '!' ' ' - ,, ' 2 ,,
* - *$' C ' ' ' &!*' $' ' $' ,, ' $' &!'
% '+%' 9 &,$
* - *$' N ' ,, ' ' &!*' G B* ' ,, ' - ,, ' 2 ,,
* ,!$' ' N ' ' &!*' '&, ; ' ' ' ,, ' !G !' '
% '!%@, &,$
* % ' N ' ** &!' . '!*' G + 0!' !9 * !'
" ' ' E ' $' * *
* $' C ' ' ' E * '!*' * $' ' ' * - *$' '& '!!*' ' '
+% '!*$' !*+% ' ' - ,, ' 2 ,,
* &&' 2 ' ' ' 9!+ *' ' G &% '&' $' - ' + 9 , $'
#,! ' ' ' !
* ' ' ' ' ' ! !' ' '& '!!*' +& '!!*'&' !9 * !'
" ' ' E ' , $' Y + * ' !* ' -

4 - " - . &' E ' ' -

* ' ' 'M 9% , !*!*' ' * ' ' ' 'E*!*!' ' *
* ' '" ' ' ' *! ' ' +% * ' ' ' ' *- ' >! +'
# ' $+',,
* ' ' " ' 2 ' @?' ' ' ' ' ' > ' E ' * ' ' * %!* ' * !' ',
'B' - , '& ' ' ! ' *!! 'E *
* ' ' 2 'N 'E * '!*' * C ' ' ' ' +B' * ' 'C *B ' E*!*!'
* ' ' ' 'E * '!*' * ' ' ' ' '8' !* B!* ' , *!' ' '
$+-,,
* ' 'N 'C ' !*+% ' 'E * '!*' ' + ' , ' ' ' ;' - ;'
' 2 ,,
* ' ' # ' E ' !+*! *$' * !' ' G !' -* '+!' 9 '$'
2 *' $' ' ' ' 8'& * , *' 2 ,,
* ' ' 'E,- !*' ' ' ! ' !*+% ' ' * '!' *!!
* ' ' ' 'E * '!*' * ' ' ' ' *' , + * ' ' 'E* + * ?'
2 &%' -* ' $+-,, ' ,- ' !,, ' ' $+-,,
* ' ' C ' ' * ' ' " , '& ' ' ** ' 7' $9*! '
! 1' "* ' '
* '!' 'N 'C * !*' 2!*' @! $5' ' ' ,, * '
* '!' 'N ' ++ -' ' ' +!' ' '!*' "- * ' !! '
, $' ++ -' ' " ' 'E ' $ ' -,,0 '5' O- *!' "* ' '
* '!' C ' ' ' ' !+% ' + ' '& '!!*' "-' ' ** &!'
+ *$ Y + * ' 2 !, 'E* '+!5 ' +B
* '!' ' " ' % !' - * ' " ' 'E ' , $' C ' !*' '
*' 2 ,,
* ' '- ' ' C ' *! ' ' ** &!' - , '&' ' ' !9 * '&'
, 9' " ' 'E ' , $' E *!,
-+!' 'E ' + '&' !9- $' .!+- 0!' '& '!!' $' -' X
+9 ' C !*' C *B ' 9, ' !'
' !*' !0' ' N ' % 9, ' ' %-*+%' ' ' ' '!' >! '
' A & '
* ' B ,, ' !+*! *$ 'F-!!' ' -* '+!' 9 '$' ,9% ' '!'
*+,!' ' *
*-' ' ' 'E ' ! *' ' ' ,,!+ *' $' -' +9 , $'
' * ' 2 ,, ' *
*$!' ' ' *! ' ' ,!* B!*' E ' ' ' 9 '$' E ' ' '
!** +!' A &!'
-+B 'N ' '& !' *0!*' ' ' ' ' ' ' , $' E *!,
-+B,!$' N ' ' &!*' %!' 2 * ' ' ' -,, -&%' ,, ' !G ,!'
' $+-,,
-!, ' ' %! + ' ! +%!*' !*+ ' ' ' +% ,'
$+-,,
-,B,!$' = ' ' 0 ' '& '!!*' $+-,, ' ,-
,,!' ' !0' ' ' ' " ' 9, ' ' ' # +% ' ' % *+%' ! !'5'
'!+*! ' ' ' 7' (' E* *$ 1' E*!*!'
-,, +B ' C ' .+% '&!' * B ' ' E ' < 2 ,, ' *
* !*' 2 ' ' , + * ' ' > *$' E- , + ' E * '!*' * * '
-* !*' $,!$' ' ' -', 9' >!9! ' ! ' ' , *' 2 ,,



9 !,,'N ' ' ' ' !+%!* ' *+% !+ -* ,
* '& ' *'N'N' +% , ' ' * ' ' ' - *$ ' $' ,-
9 !,, ' N ' C b' - ; ++ -' ' ' 9!* , ' 'B' ' E!* '
"*!!' *!! ' *
9 !,, ' ' ' E * '!* ' C ' ' ' '"* % ' ' ' ' C ' !*
' ' ' *2 ,,
9 ' ' ' > ' E!* ' ' ' ' ' ' % ! ' '& '!!*' " ' ' E '
, $ ' >!9! ' ' , *2 ,,
' * ' ' ' C % * '&!* ' - ' E*!0!' 0!' !*0+! ' "-' ' *X
* &!' +B' G '!' G !*
' 0 ' ' ' * ' "* !' E , ' E* '+!5 ' +B
' $ ' %!' 1 ' ' ' ' ' ' ' ** !*; ;G ' E- '!'
N- &!' 2 &%' -* ' 7' %!' &!' 1' , *2 ,,
' '!,,' E ' !' *' ' ' ' !,,!*$' ' ' ' , +!' - , X
'& ' 2 *' 0'
9* ! ' ' !+*! *$ ' > 0 & A '!' "!'!* ,!' , ' ' ,9% ' ;'
'!' *+,!
*! ' ' N ' *! ' ' ,!* B!* ' $, ' ' ' * '!' !9 * X
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* +% ! ' b' ' ' 2 +B ' ' ' ' +B!'A!' ' ' '
"*!!' *!! ' *
* ' ' ' ' ,!' E* 9* ! * ' ,!* ' 2 *'! ' ' ' ' % !'
B!* ' 9, ' !' ' *
9!' !'N ' ' !+ ' ' ' 9!+ *' ' ! ' ,!* ' ' ' E* !'
0!* ' $' - ' + 9 , $ ' 9, ' !'
9!' ! ' ' -9!* ' !' ! ' ' 0 ' ' ' ! * *$ '
%-' *' # ' ' G '!
* ' ' ' C ' ' ' ' ++ -' ' ' "!'!* , ' !+*! *
** ' ' ' ,,,* &% ' G + 0!' ' ' ** &!' !9 * !'
' ' ' ' ' ' ' $' E *!,
** ' C ' % *&!* ' ' " ' ' E ' , $ ' G + 0!' !9 * !' '
E *!,
** ' ' ' ' &' ' %!' * ' C ,, ' C ' ' [' '
2 *' $'
* !* ' ' b' ' ' , *$' !9 * !' ' * $' ' ' > 0$'
; 9!* 0!' + ! $ ' G ! ' > ' □' %-*+%' " ! ' *!!
* !*@?" : ' 9 ' ' '& ' !* ' ' +B@!!' E! ' ' - + -* '&'
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* !* ' C ' ' "!'!* ' ' &!* ' *! +%!* ' ' ' G ! ' X
9 * ' ' *
% ,B' ' * + - ' ' ' +% '& ' !+ ' ' " ' ' E '
, ' $ ' E *!, ' B'
% ,, ' ' ' C % * '&!* ' - ' E*!0!' 0!' !*0+! ' $+-,, '
&!' $+-,,
% , !* ' 2 ' ' ' &!* ' > ' , ' B' ' ' ' G ! '
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99?: '5 ' ?:@(9 ' C< CF:' :?C (D: (' 9D=CE'1 6 <@<?C[

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K C <' 6 B: ' C B9 C

9 >: E'2 ' 6?: < (: B: (' 9 <(<@C ' :?C (D: (' :@ :(C <C('

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(<@<C ' 9 (C@(9 'C B' F: (' ? C CB:' 9CB'N9 (
CA!9 B'3 ' '3 ' :F< (C '2 <F;' 96 (' : ('K : < F(9C'
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CA!9 B' <:6(: C (' 5 ' 2 ' :@9 B' :F<D : (' 9!' 9D=CE'
C @: ' U <'C' <B:'B:' CD?'(9'2 ' (;:'39 : 9 ' 1 C C=C '
2<(
CA!9 B' ' C (: ' CA!9 B' 6 B: ' CE :E' C B' 6 [
9?' 9 <@<(9 'C B' 9(C E' 6=<@' E@6 C' 6=
CA!9 B'2 -' ;< B' < (C (' 9 :@(9 ' 6 (9D ' :?C (D : ('
K : < F(9 ' < :
: A: ' 'K -'1 : @;C (' :C ' C :' 9 (
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9CB' C (
< ?' ' 3 ' :?6(E' 1 C CF: ' CD ACE' 9D?C E' CD ACE'
9D?C E) ' (C= : 'K 9B:;96 :' 9CB' 9 C=C
< ?'2 ' :@9 B' < (C (' (9' CE' 1 C (: ' 9D=CE' 1 < ('
:C : ' 9CB' C B:9
< ?'5'N ' @@96 (C (' !!<@:'9!' UCD < : '9!'39 : D : (' (C(:'
C< ACE' @@96 (' C :' 9CB' E@6 C
9!(')' ' U@;C F:' 9>: ' E@6 C' 6=
9D=<: ' K ' 2 ' < (C (' C(;CD ' =: @ 9D=<:' C B' 9 '
?9 9' 6 B:
9D D : < ' '3 : C ' C!!<@'1 C CF: ' ' 'b' ' ' C< ACE'
@(< F'3 : C ' C!!<@'1 C CF: ' 6D=C C'2<
9AB: ' C?(C< ' K ' 1 : @;C ('C B'1 C < :' 6 :E9 ' : =<('
9CB' 1 CQCF9
9A(;: '3'2 ' 1 < ' 1 C CF: ' ;:' <((C <C' 1 < ' <D <(:B'
N: F6 9 ' 9CB' C :
6BF< F(9 ' ' ;C F:(C ' 3C'K 9 > ' 9@9D9(< :' :?C ([
D : ('3 ' ' C< ACE' <@(9 <C' : D < 6
6<@> ;C > ' K ' ;<:!' 1 :@;C <@C' F< :: ' 36 ' C <CF:'
NC@(9 E' =: (' 6< B< F '29 =E' 9CB'N9 (
6D DE' 5 ' 6?: < (: B: ('9!' 9 <@:' 2 :CB'`6C (: ' 9 <@:'
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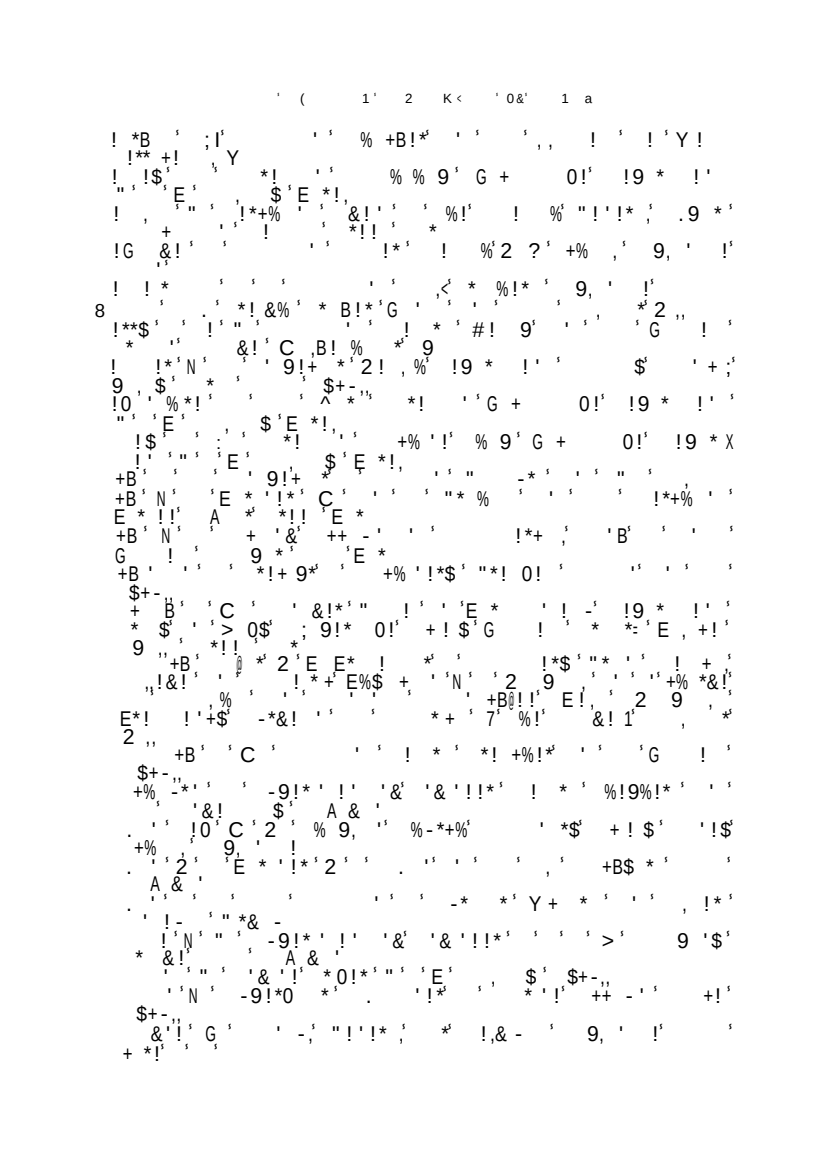
- & N ; ' 9 ! + * ' 2 ! , % ' 2 9 * ' ! ' ' P ' - ' + -
9 $ ' 8 ' & [2 !
- ' ' ' & % $; * ' 9 ! + * ' $ ' * + 9 , $ ' * ' ! '
$ + -
- ** ! ' ' " ' E * ' ! * ' +B, ' ' ' !B + A ! ' ' '
" * ! ! ' ' * ! ! ' ' * ' * 2 ' ' B ' ' ' ' 9%, ' ! ' * +, ! '
*
- ! * ' ' ' ' -9 ! * ' ! ' ! ' ' E , + , ' !9 * ! ' '
! + * ! * ' " * ' '
- ' & " * ' * " ! ' ! * , * ! ' ' $ ' " ' C * B E !,

, % ' % ! ' ! * ' % ' ' N ' ' % , + ' * + % % 9 '
- * G , $ ' ' - ' ' * ! ' ! ' * ! ! *
, $ ' G ' ! * ; , ; G ' ! ' 2 & % ' - * ' " 0 ! * ' ! ' ' E * ! *
' G ' $ + - ' ' - ' '
' & ! * ! ' ' ' '



&, ' 'E * !*' !% ! ' ! - *' ' ' ' , *' 2 ,,
-&, 'N ' ' * B!*' - ' 'E,! ' ' ' ' *' 2 ''
- ! ' ' !*+% ' ' ' ' &! ' 'E * '!*' ,9%' - !' ' '' ' '
7' %!' &! 1' *' 2 '$' ' ' 'G ! ' 2 - - ' *!!
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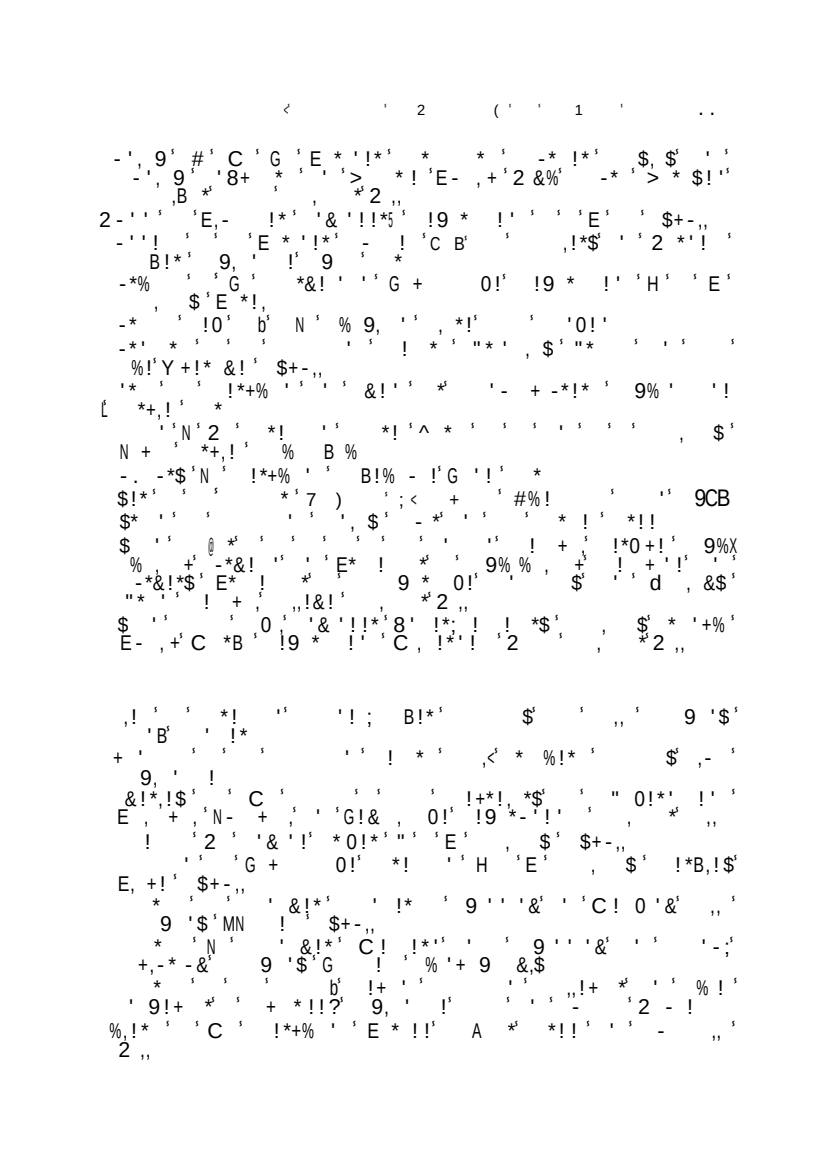

%*,!* !0 ' ' 'N 'E ! *' 'M * = ' ,,!&!' 9, !'
,, ' ' % ! ' '@+ '!!*' ' ' > ' 9 '$' A & '
,, 'N ' ' ' ++ - ' ' ' 'B' ' f ' $' 9% ' ' !'
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' ' " ' E ' , $ ' Y + * ' !* ' -
'N ' " 9!* ' !' ! ' ' 'G 9 ' ' * +' C *B % 9 '
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' C ' ' -9!* ' !' !' 'N- + ,' !9 * !' '
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' C ' ' 0 ' '& '!;*' &;' ' *' N %'' * * '' ' ' '
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,, ' ' ' ' * ' ! ' ' ' - ' 2 ,, '
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+ ' '0!' ' ' $' + !' ' 9 '$' G ! ' 2 ,, ' '
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'&!, ' ' ' ' ++ ' !9 * !' ' * $' ' ' > 0$'
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'&, % ' ' 0 ' / '' -* ' -&% :
'&, % ' ' -9!*' !' !' ' 2 !*' @! $5' ' ' " , '
'B
'&, % ' C ' ' . ' !*' !+ ' ' "* ! ' E - , +' C *B '
!9 * ' ! ' ' ' ' '
' ' ! ' N ' ' &!*' 9 '' ' - + -* '&' 9 '$' '
G ! ' 2 '! ' ' $+-,'
+% ' !' N ' , + !+B' ' ' ' 9, ' !'
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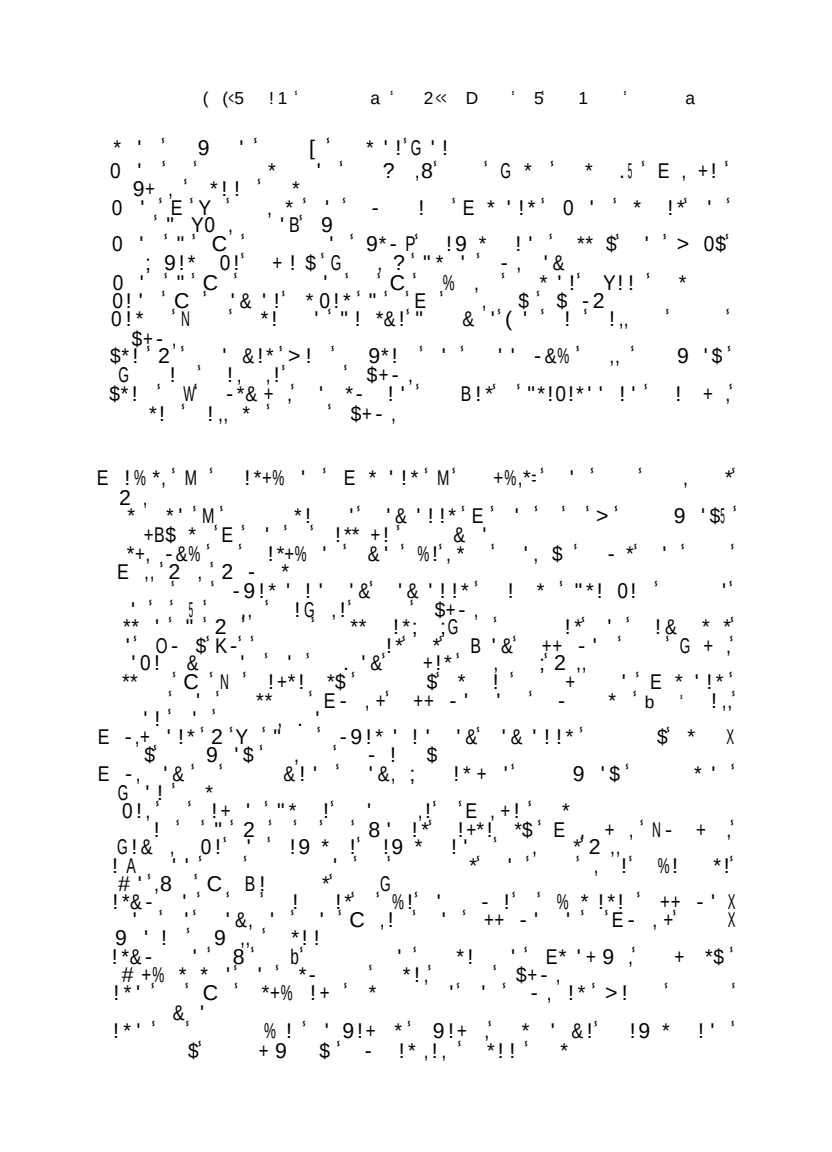

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! !*,! ' Nb ' C , +%' ' ' + !*?' N! !,,!*;' 9 * !*' =>"'
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' N ' -9!* ' !' !' ' 2!*' ? $5?' 2 ' ' '
- !' ?
' N ' -* %' "* !' +!*' - ' *!$!' 0!' !0!!'
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" N ' C ' 2!,' ! ' 2!*' @! $5 ' ' "* ' - , '& ' G !*'
" ,'
!, ' N ' C ' ' ' ' ;' -9!* ' !' '&' -*&! ' ' ! + ,'
!9 * ! ' '" ' ' ' , $' 9, ' !' ' ' ' , *'
2 ,,
,& ! ' ' ' ' 9!+ *:"!'!* ' ' E* ' ' !& * *' "!'!* ,'
' * % ' ** &! ' ' ' ! % ' $!-8 ' ,-
,, ' ' ' ' ! * ' E% ,, 9 ' ' ' ' G ! ' *
'B!, ! ' ' ' E* 9* ! * '7' %!'E ,'' ' ,, '2 *' - '&' , ''
' ' ,! ' ,- 1' 9, ' !' ' ' ' * ! ' *!!
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+%!*' E ' ' E * '!* ' ' +%!*' ' ' " ' ,!' ,
A! ' ' % ! ' &!' ' - ' G !' +!' 9, ' !' ' *
A&!* , ' N ' & '! ' ' ' ' ' ' ' ' ' ' $ ' E *!<
A"!* , ' "b' ' ' !* ' " ' ' E ' , $ ' !G, ,!' '
$+-,,
A"!* , ' N; ' > &% ' ' 9!+ * ' E* '+!5 ' +,e ' *!*!'
A9 * +B ' 2 ' ' C b' ' ' ' 9!+ * ' = * +' !9 * !' '
$' E * ' = * ' - ' ' ' A & '
, ' & ' ' 2 ' ' % *&! ' ' + 80!' !9 * !' ' " ' ' E '
$' E, *!<
, ' & ' ' ' E ' 2 ' % * ' "* !' ' 9!+ *' ' E ,+!' C !% - !'
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, ' & ' ' ' ' ' % * ' "* !',- 9!+ *' ' E ,+!' 2! ' F- *X
!*5 ' E ,+!' +!' 9, ' !
,! ' & ' C ' > ' E * '!* ' ,! ' & ' % ' ' ' ' ,9% ' '!'
*+,!
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>! ' ' ' & & '
,! B!*' C ' & ' ' ' ' ' ' * ' ' ' ' ' * ' ' G '!'
*
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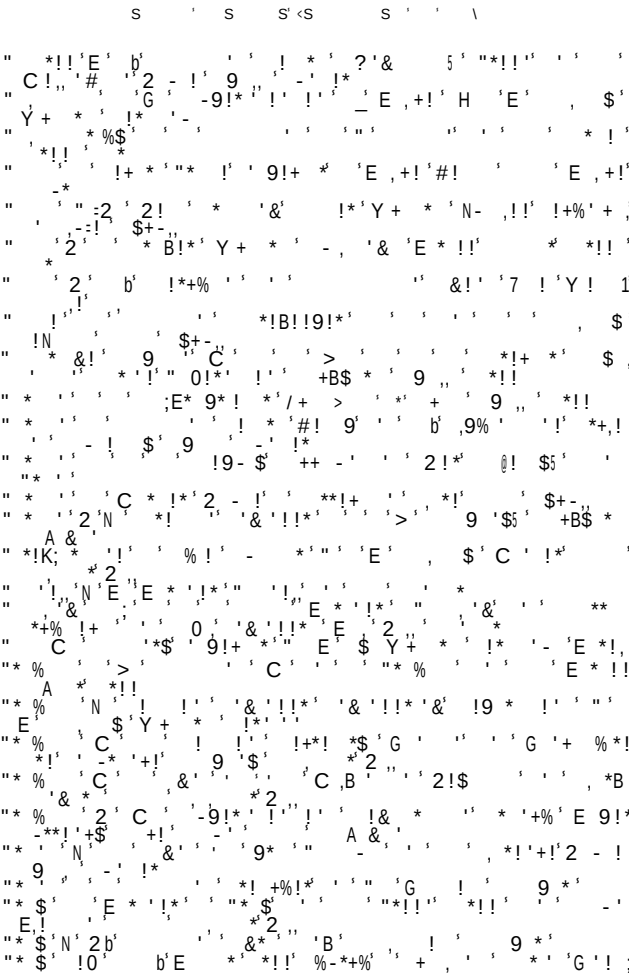

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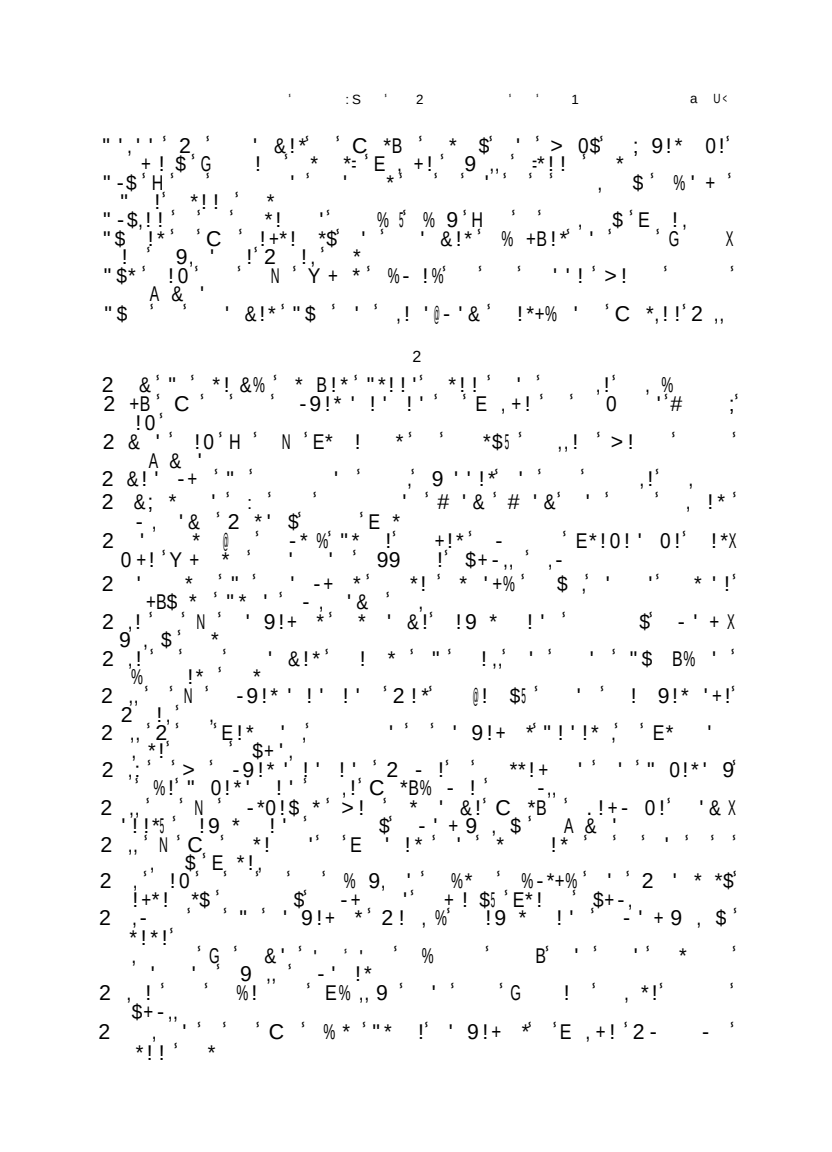

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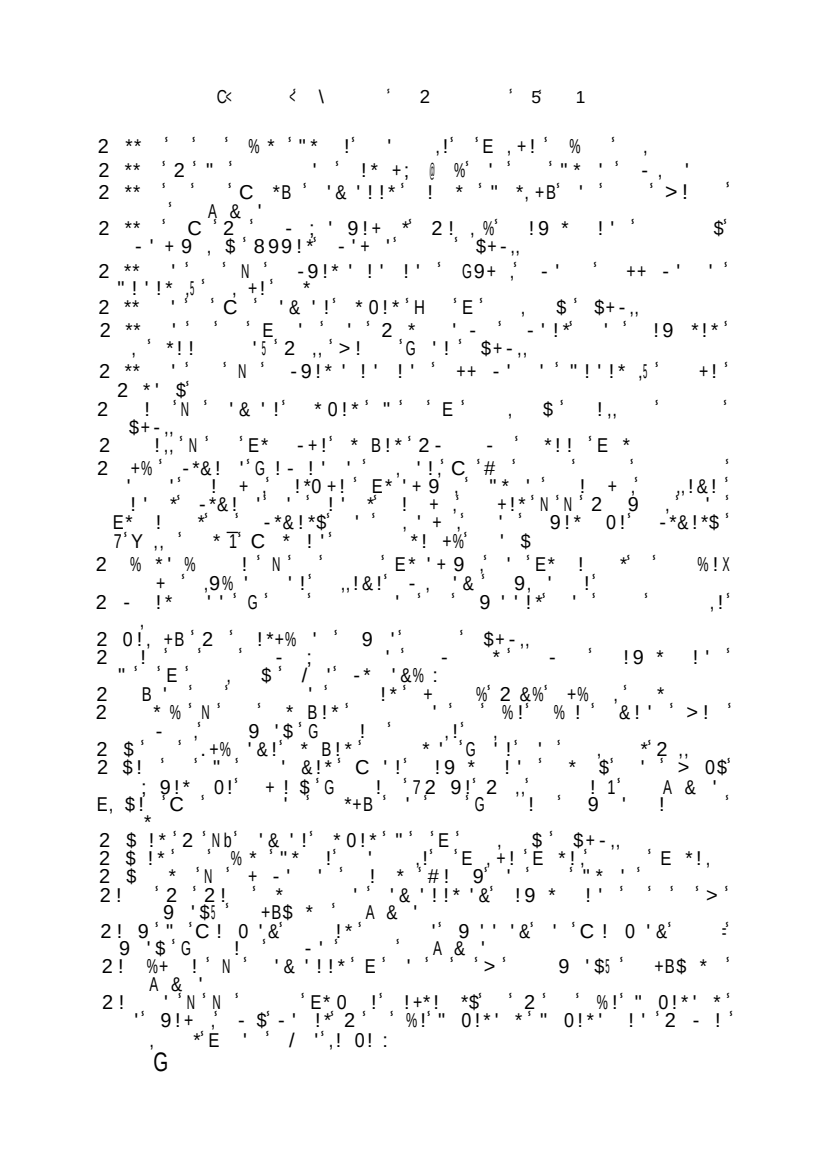

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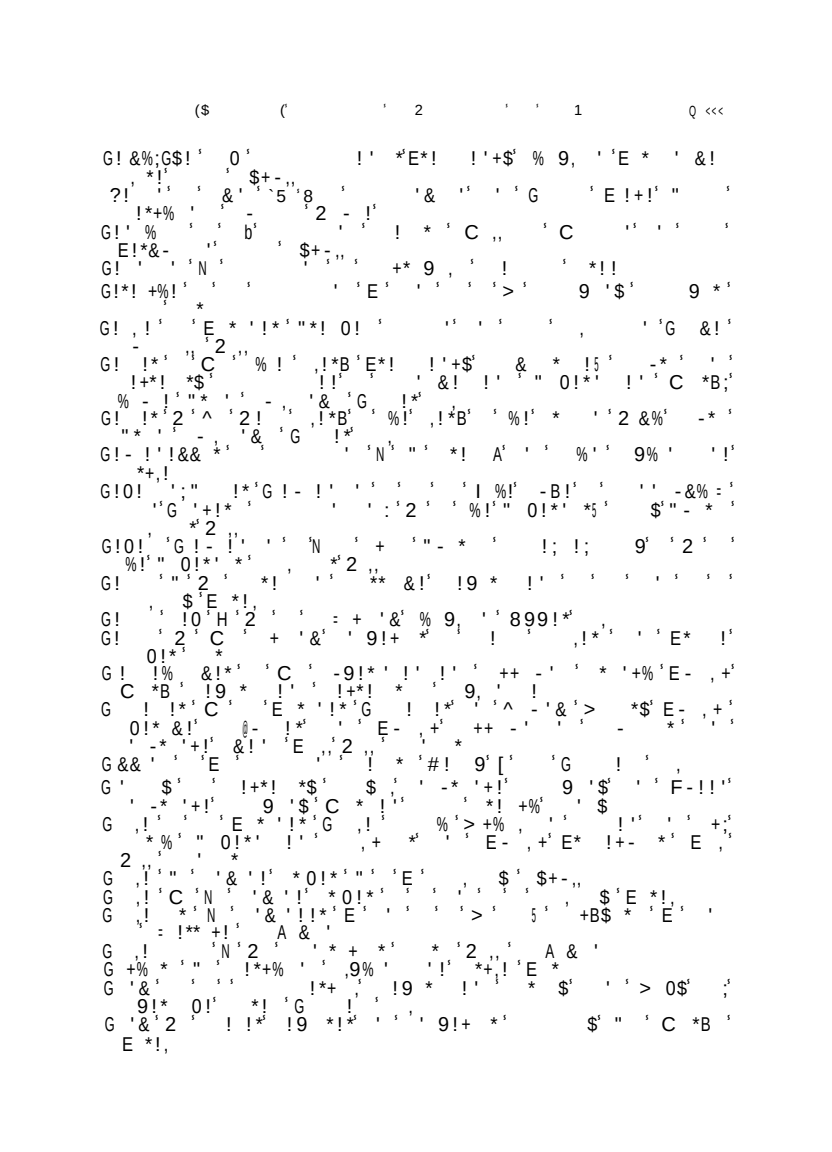

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G- * ' ' ' ' G + 0!' ' ' ** &!' -9!*' !' !' ' ' '
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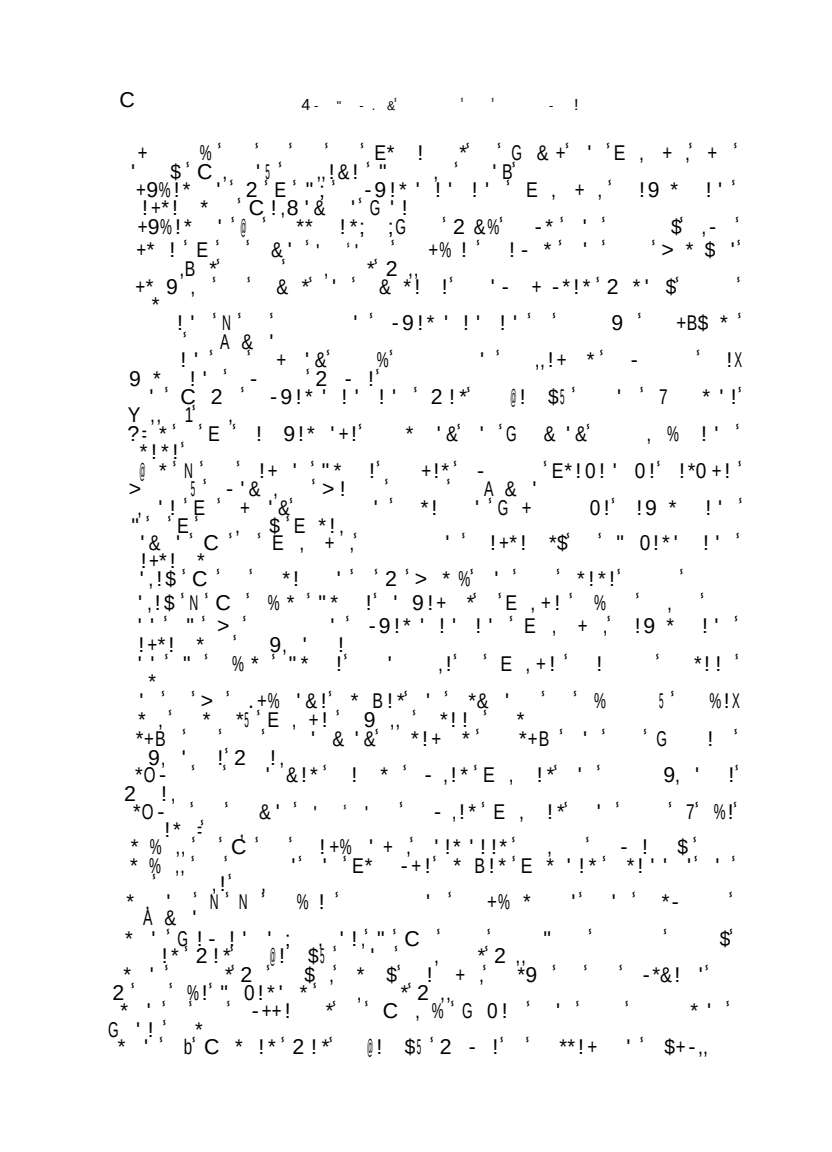

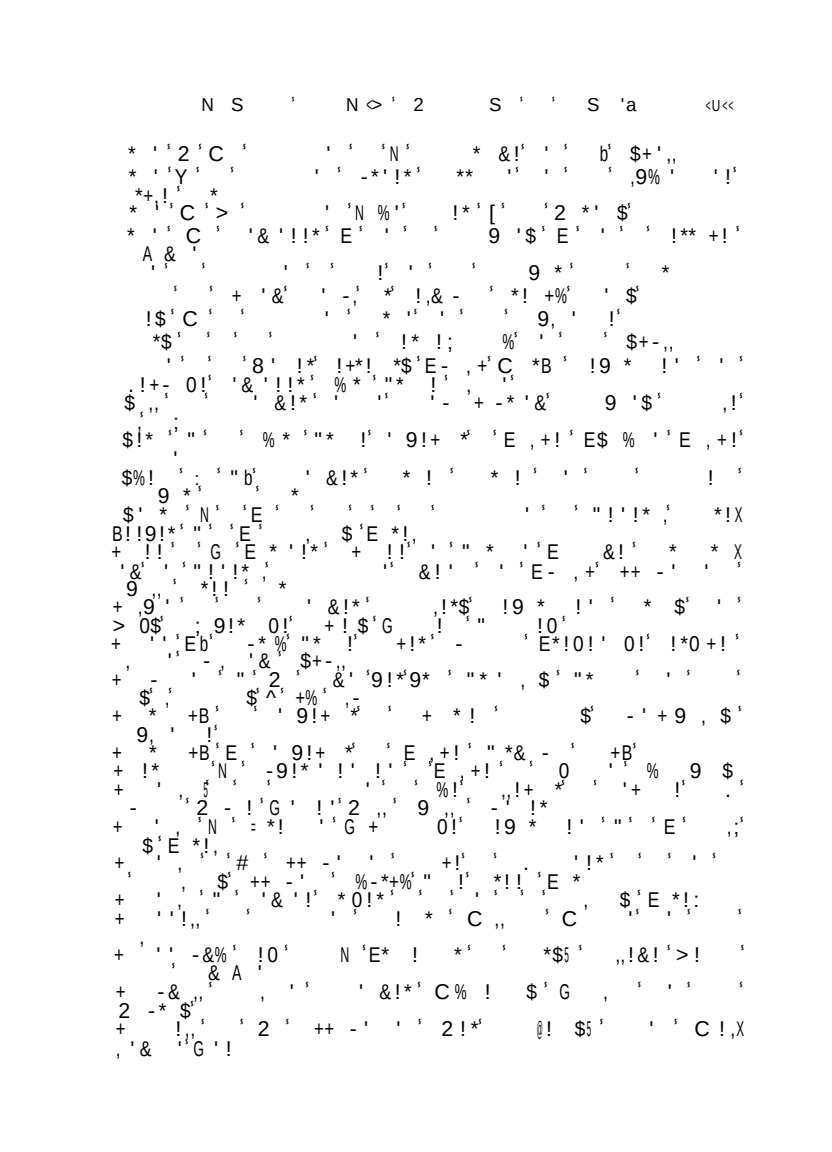

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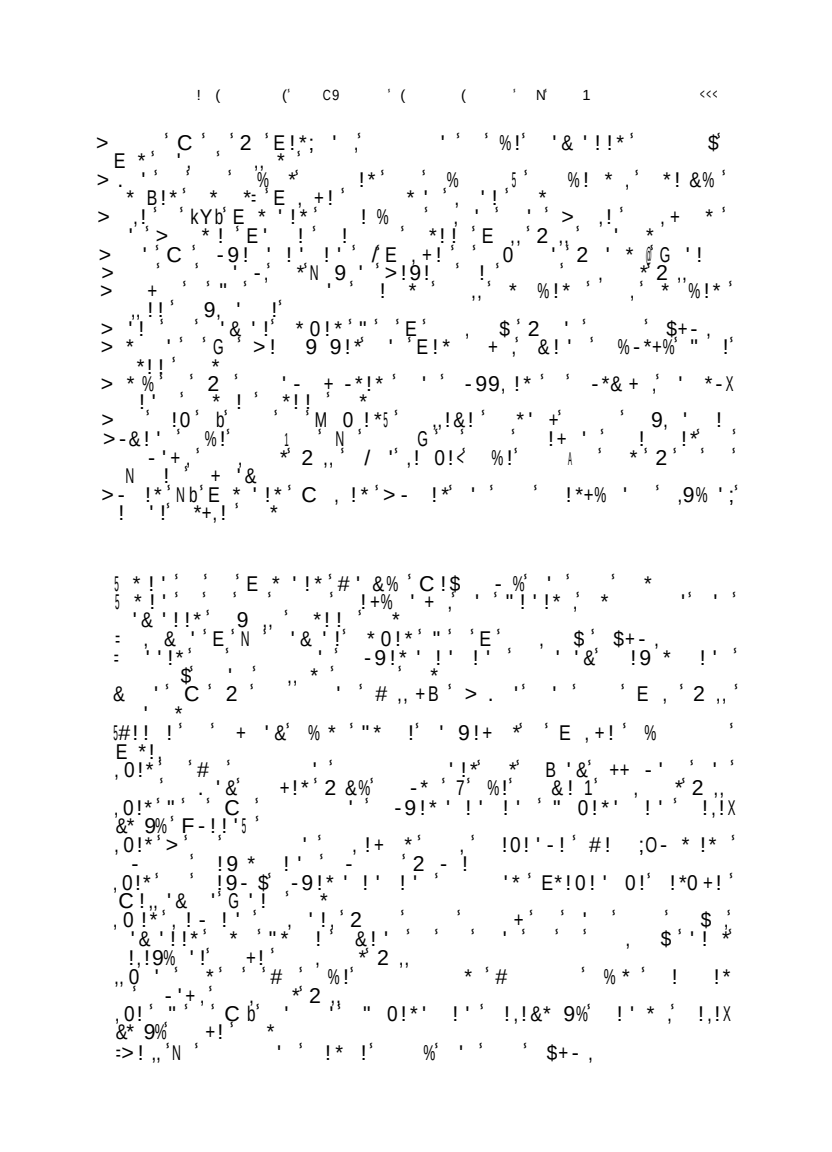

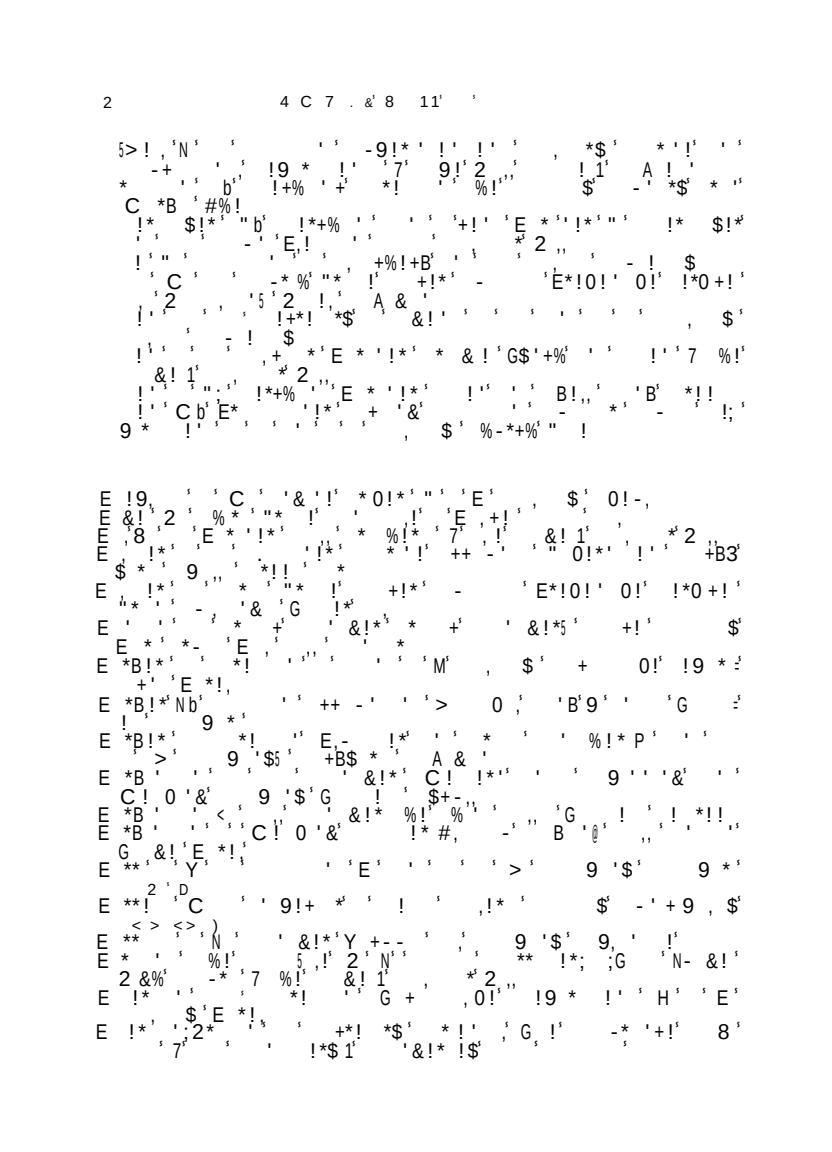

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!! 'N ' ' 'C% ! $'G' , ' ' ' '2 *' $'

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: C B)' 1 ' ; : D< (' ; < <? ' C B' 9 ' <D<(: B ' C > <' : C@: '
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: < 9 ' 3 ' ' :@9 B' C ' ?: @(9 ' 3 ' ' ' C< ACE ' <(9 <C'
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' C B' ' & ' C< ACE ' ; 6 @ ; ' 3C(:' (: : (
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E@6 C' 9((CF: ' N9 CC' 9CB ' E@6 C
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D< (C(9 ' 3 : : C ' C B' !!<@<C ' <F : : ' 1 C < :' < :
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9(@; : '5 ' N9 : DC ' 2 EB C6 <@' 1 C@;< : E' <@(9 <C' 9@>
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9U=6 F; '5 ' 1 C CF: ' ' 2 9 < ' b' 9 ' 1 :B9A ' (: :(' N9 (
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6 ; A9 (; ' ! ' 1 C CF: ' <(E' 9!' 9D=CE' 1 C 6!C@(6 < F' 9D[
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B: @: ' 2<F;' 96 (' C@;(' 6 R' ;CD=: ' ?9 9' 6 B:
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C9 :' 3 ' N <: ' B:' <F ' 8 ' 8 ' N <: ' B:' C9 :' C B' 39 '
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C F9 ' ' N ' < (C (' DE' C B' C E' 9' ?: C(< :' (9 : '
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C C (' '5 N: 9 C ' < (C (' (' 9@9D9(< :' 6?: < (: B: ('
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C6> < (::(' E@6 C
C6 B: ' 5 ' N ' ;: D< (' 1 : ' :C@;: ' C B' 9 ' <D<(:B '
N9 (
C6 B: ' K ' < (C (' 6?: < (: B: (' 9!' C6F;(: ' 296 : '
C B9 C ' H
C6V6:(' N ' NC (: ' C6V :(' C B' 9 ' ?=< (9 :' @<:
C CF:' ' ' 2 :CB' 1 C (: ' C(;:B C ' 2 <F;' @;99 ' K C6B=E'
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K C CE:' C=6 >:' 9CB ' 1 C C=C ' 2 <
CAE: ' ' N9 :D C ' 9@9D9(< :' :?C (D : ('T ' ' ' C< [
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@;C ((: ' : ' ' 9!: 9 ' (' 1 C E) ' 9 :F: ' : \!(K 9CB'
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@9((' : ' K ' @:B:C@9 ' C B' 9D D< C E'C B'< ' @;C F:' 9D=CE' <9@: : ' (' ;9DC)' C(;: B C ' ;6 @;' 3C(:' (::('
@9((' '1 ' <9!: 9 ' 9!' F < ;' C B' 19 C ' ;< 9 9?;E ' K< 9) ' 9 :F:' 3< FC6D
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:C :' ' 99>'>::?: '3 :C(' K : (: '29(: 'N : : 9CB 'N9 ('
:C <:' 2 ' ('3 :C : ' 9((9 'b' 9 'N9 =: ' (::('N9 ('
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;C DC 'S '5 'N96 (;' < (C (' 9 :@(9 '+ 'B:?6(C(<9 R'
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;C ?' '5 ' (: :B9 :' C (: ' ' ;C ?'C B' 9 ' C>' C :' 9 (
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1 6 <@<?C <(E'2 9 D <' (::(' 9 C=C
\ B: A99B' ' ' &'S ' C B' ' ' ' ' ' ' 1 :B<@C
' C@(<(<9 : ' 1 :B9A ' (::(' 9 (
\ B: A99B' ' N ' ' 1 ' N 1 G' 1 :B<@C'
C@(<(<9 : ' 1 :B9A ' (::('N9 (
\ B: A99B' 1 ' 1 ' ' ' ' < (C (' ' @9((' C B' 7 &'
3<(FC6D
\ F: ' K ' 9? <:(9 ' :D? :' C ' 29(: ' 1 :B9A ' (::('
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\ F: ' K ' 1 : @;C (' C (: ' K< <CD' 1 6 CE' C B' 9 '
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\ (: <' : ' ' '5 ' 9!: 9 ' (' aC <:)' 9 :F:' CDC9'
9CB' ? C CB:

C < ' ' F< :' < : 'T ' ' ' C< ACE' E@6 C
C B: ;<B:'5' ' < (C (' 1C CF: ' :6(:)' : :F CD' 9DH'
?C E' <D<(:B' C >' (::('N9 (
C B9 ' K ' ' ' ;< B' 3 CB:' 9 (C= :'9!' 9 <@:' 3 FC6D'
C@>' 9CB
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:: : '5 ' 29 9 C E' < (C (' F< :: ' ;< B' 3 CB:' C B'
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B9 ' 9CB'N9 (
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: 9 ' '5 ' 1 C CF< F' < :@(9 ' NC =: !C= <>: ' CE: 'C B'
9 ' <D<(:B' 1<BB :' 9 C=C
< @: (' '2 ' ?;< <9 :' < @ :
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F: ()' ! @:'3'&' ' C< ACE' <@(9 <C' : D< 6 ' 9 C=C
9@:' '3: : C' < (C (' ' 9 :'C B' 9 '3 C ()' 6< B< F '
9 C=C
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K

K CB:'N ' < (C (' 9< : '1 C>: ' 9EC' B<C '1 C < :' :?C ([
D: ('39 : D: (' 9@>EC B'3 C (' 6< B< F ' 9A: ' 9 C=C
K CF (C!!'2 'N ' F: (' 96 ;' <(< ;'N< :'C B'1 C < :' 6 C @\'
9D?C E'9!' :A'4 :C C B'K C B: ' 9CB' :C@;' C BE
K C<(:'K ' ' ;<:!' @@96 (C (' 9D=CE' 1 6 <@<?C <(E' ? C[
CB:' 9CB
K C>:!9 B' ' '1 :@;C <@C' F< :: '5C<' 9CB' 9D: @C E

)KCBDC ' : '3 ' :C 6 : ' m(' 1C E) ' 9 :F:' : =<(' :CB' 1 CQC< 9
KCB 9 ' @' ?:@(9 '9!' C< ' 9D=CE' 1 6 <@<?C <(E' 9 C=C' C6 :ACE
KC>:" ' ?:@(9 ' 9i' (:CD' 9<: 'C B' <D:' 19 : ' 9D=CE' 1,6 <@<?C <(E,' N9 (
KC>: ' ?:@(9 ' =>C <' :?C (D: (' : C <' 5C @(<L ' 9CB ' E@6 C'
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KC>: ' : ' 3 ' ' ;C? C< ' K : :EC '' 1 :(;9B< (' ;6 @;' 9 C=C' C6 :ACE'
KC>: ' 2 ' ' :?6(E' 1 C C. ' 9D=CE' 9 (' 6 (' <@(9 <C' C B' < @:) ' 9@b ' 196 (' 9CB ' 1CQC: 9
KC>: ' 5 ' N ' 39B9A ' 1 C CF: ' C <' 9(;: ' :?:C ' :C' 9CB ' 1 C C=C ' 2<
KC>: ' 5 ' 1 -' :@9 B' 3 CB:' 9 (C= : 9!' 9 <@: ' :CB' `6C [(:) ' 9 <@:' !!<@: ' ? C CB:
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KC>: ' K ' 2 ' :?6(E' ;<??< F' 1 C (: ' 2 : ' 1 C : (E) ' 9@>H' EC B ' : =<(' 9CB ' 1CQC 9
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KC C@:' ' ' < (C (' K ' C B' H' 3 C;CD' C B' 9 ' C :' CQCC ' (:'' '
KC C@:' 5 ' ;<:!' F< : : ' C 99 ' 1 :@;C <@)' (<(6(:' ? C CB:' 9CB ' N9 (
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KC B ' : ' ' ;C? C< ' :CD :) ' : (' < @:) ' 9@.' N : :' 9CB
KC : ' ' K ' :(< :B' < (C (' :@ :(C E' (9' 39 D D: <E' 6= <@' K 9 > ' :?C (D: ('3 C (' 6< B< F ' 9 C=C
KC : ' K ' ' < (C (' 6?: < (: B: (' 9 <(@C ' :?C (D: (' :@ :(C <C(' 3 C (' 6< B< F ' 1 <BB :' 9 C=C
KC : ' 2 ' 1 ' C!(DC ' 39 (< F'C B' 19 < '3 C (' 6< B< F ' 9A : ' 9 C=C
KC < ' N ' 1 :@;C <@C ' C!(DC ' 9EC ' B<C ' 1 C < :' 9@>[EC B ' 3 C (' 6< B< F ' 9A : ' 9 C=C
KC D <:E ' K ' ;<:!' (9 :>:::?: ' DE'C B' C E' 9'9?: C(< C' 9@<:(E' <D<(:B ' C B:9
KC C(;' : ' K ' 5 ' 9!: 9 ' ('aC <: ' 9 :F:' C C@' 9CB ' ? C CB:
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KC B'1 ' 6=' ?:@(9 ' 2:C(;' :?C (D: (' 9D=CE' 16 ‹@‹'' C‹(E'\??:' 6 @C ' 9CB'
KC B' '5 ' ‹ (C ('1: ' C /' 9(;: ' 196 (' :C C ('' 9CB'1C C=C'2‹ '
KC ;'59 : ' ' ' @(‹ F' ;‹:!' 6B‹(9'C B' @@96 (C ('' 'C B' ' ' C‹ ACE' ;6 @;'3C(:' (: :(
KC :;CD'N-'K :C ‹ F'1C (:' (C BC B'1‹ ' 9D?C E' ‹D‹('' :B' 9A: '1C;‹D
KC A‹@>' ' ' ‹ (C ('1: '59; ' 9=: ('C B' 9' ‹D‹([:B'29 =E' 9CB'N9 (
KC A‹@>'3'2 '1: @;C (' :?:C ' :C' 9CB' 1C C=C'2‹ ' '
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KC(' 9 '3 '1C CF: '5CD: '3 :C :'C B' D?: ‹C'1‹\C'2C‹ : '' 9CB' E@6 C
KC(9 '3 ' ‹ (C ('S‹ F'S‹ F'C B' 9 ' (C BC B' 6‹ B[‹ F '29 =E' 9CB
KC(9 ' 2 ' 6?:‹ (: B: (' 9D=CE' KC(:'K9 > ' :C :'' 29CB'.@6 ‹C
KC(9 '2 '1C CF: ' F 9' B‹C ' ?‹ ‹ F'C B' K:CE‹?!(' 1‹ ' 9D?C E' ‹D‹(:B' : :' 9CB' E@6 C
KC(9 '5 'N9 :DC ' 6D=:'C B' C 'N‹ ‹ ;: ' 'C B'0 ' ' 9D?C E)' 9@>EC B'1CQCF9
KC(9 ' ' C (: 'KC(9 'C B' 9 ' ?C CB:' 9CB
KC(9 ' ;‹:!' 9 (6@(9 ' 9EC‹' B‹C ' '1C ‹ :' :?C ([D: (' 9@>EC B' ?C CB:'29(:' :U:' ?9 9' 6 B:
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KC(9 'K C (: 'K 'KC(9 'C B' 9 ' ?9 9' (::('N9
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K:==' N' ' ‹ (C (' C : F: ' :?C (D: (' DE' C B' C E' 9'9?: C(‹ :' 9@‹:(E' ‹D‹(:B'3 C (' 6‹ B‹ F ' 9C=C''

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K :F :E '5 ' C B< F' 1 C (: ' 1 9 C <' 39@6 BC ' ?< < F' C B' K :C < F' 9D?C E ' <D<(:B ' C :

K :FDC ' ' <F ' 8 '8 &' 9 >C (' 9(;: ' C <' 2 < ' C B9 C

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K :< F: ' : '5 ' '5 ' ;C? C< ' C :' 9 : (

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K : B: ' 2 ' ;<:!' F< : : ' F< : : < F' :?C (D : (' 3 ' 'N ' C< ACE ' K 9

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IK< <>: ' K ' :@ :(C E.' D?: <C ' 3 : DC ' 9 6 C(:' M' ;:' @;9 CF: .' C < 2 < ' C B9 C
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K 99B ' ' 1 < ' 1 C CF: ' 9 C=C' C B' C B' 1 < ' 9D?C E . ' <D<(:B ' <@(9 <C' 6 B: ' 9 C=C
K 99B ' : ' ' 9 (' 1 < <9 C E'5 :CD:) ' : (' <?<:) ' 9@>

K 99B ' K ' @ ' 1 C CF: ' 1 C;C 6UD<' ?< < F" C B' K :C < F' 9D?C E ' <D<(:B ' 1 C=C 6UD<' ' &
K 99B ' 'N ' K ' < (<@(' C!!<@' 6?: < (: B: (' ' ' C B' ' ' C< ACE ' ;6 @;' 3C(:' (: :(
K 99BAC B ' 5 ' ' < (C (' :C@;: ' C B' 9 ' <D<(:B ' E@6 C
K 99 @9D=:' ' ;<:!' (9 :>::?: ' ' ' b' ' ' C< ACE ' 1 C C=C ' 2<
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K 9 FC ' '5' K -' < (C (' @@96 (C (' 3 : C ' :?C (D: (' 9!' 6:'9!' (C(:' C?: ' 6 : @E' L'? C CB:' 29CB
K 9 C '5' ' ' < (C (' 1 : ' ;C@>: ' C B' 9 ' <D<(:B ' ? C CB:' 9CB
K C!(: ' ' S ' @(< F' ;< B' 3 CB:' ?:@(9 ' 9!' 9 <@:' 9 F <
K <F=E ' K ' ?< < F' 1 C (: ' C 99 ' ?< < F' C B' K :C < F' 9D?C E ' <D<(:B ' 1 96 (' 9CB ' 1 CQCF9
K <F;(' ' F< :: ' < @:' 9!' K C : ' ?< < F' C B' K :C < F' 1 < ' 9D?C E ' <D<(:B ' ;< @;?99F E
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K <F;(' ' ' 1 : @;C (' C (: ' 3 ' : <@:' C B' 9 ' ?;< '' (9 :' < @ :' N9 (
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K <F :E' ' C@(9 E' 1 C CF: '(;:' < BC ' 9 =9 <@' C B' : [(<9 ' E B<@C(:' 9D?C E ' <D<(:B ' 1 CQCF9
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4<DD: ' ' ' < :@(9 '2 ' '(;:'39 : 9)' C B'39 : D: ('
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1C 9 ' @ -, ' .f' W (' C @: ' 6 #' #

C?(C< ' , 2 " /' X .' -" ' F 2 f' @9(' 36C B ' '
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C?(C< ' , ,' A - & .' U .Ef' 9EC ' 29 :' (< : E ' '
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<:6(: C (' X .' " ' , Ef' WO(;' :F<D : (' 9!' 9D=CE'
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1C 9 ' . , ' 4 - , .f' 1 ' 1 ' 6 '

C?(C< ' C - , " &' C - , .' F & .' ,f' & (' + ; :' 6>:' 9!'
9 C F () ' A R' C @: ' 9D DC BC (' 2 ' ' (; :' 39 : 9) '
9BE' 36C B

< C BC ' 1 2' "' * - , f' 2< ' U@: : 9E' (; :' 39 : 9) ' 9BE'
36C B ' C(< :' S # 8

' ,' ! !* ' ' %!' - '+ ,' ' 2 ' .+ ! 8 ! ' $' %!' " 0!*' *'
*' B '&' G ' ' ' !&-, '

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C B'56B<@<C'C B' :F< C(< :' :?C (D: ('C B' :@ :(C E' (9' (;:'
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K ' ' 4 - . - .!' 9 <(<@C ' < (C ('(9' (;:' :@ :(C E' (9'39 : D: ('
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, C #N'+ * .'- - ' ' < (C (' :@ :(C E'56B<@<C'
C B' :F< C(< :' :?C (D: (' + 'B:? (C(<9 '(9' 9D=CE' 1 <'
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. ' '/ ' ' :@ :(C E'(9'39 : D: (' B6@C(<9 C '
3: : C '1C < :'C B' :9 : <C (<9C' :?C (D: (' + '!6 96F; R
' - .'1 - !'1 ' ' @(< F
" &-. ,' - '7 . !' < (C (' :@ :(C E' + '!6 96F; R
X- & ' 4 - . ' . -!'1 ' /&

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. &' & -,' 4 - & .!' \ B: ' :@ :(C E' 6= <@' K 9 > ' :?C ('
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:@ :(C E' C< ACE' :?C (D: (' 3 CB:'W' 9!' 6?: <9 ' : : 6:'
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5' '? & , -!' < (C (' :@ :(C E' + C< ACE' C @;R

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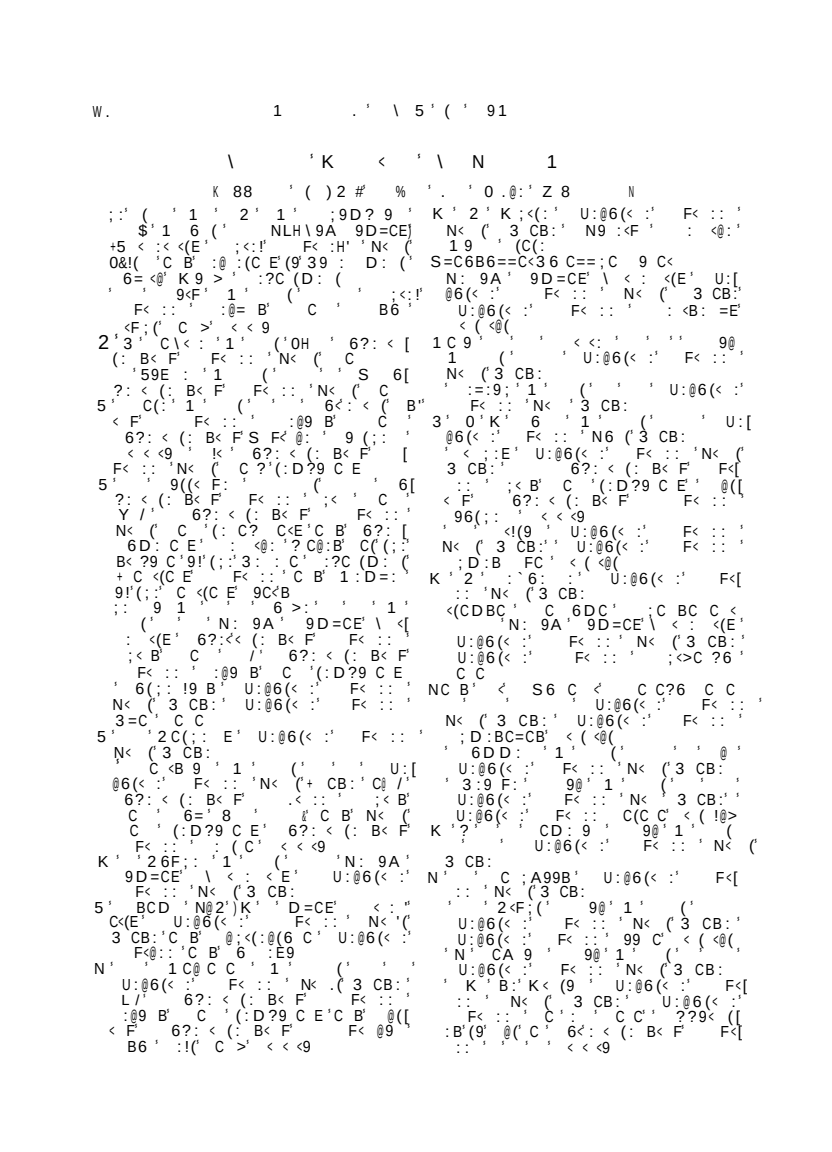

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'1C@B9 C B'1 ' ' @ ' 1 ' 6 C(9'9!'(;:' <@(9 <C' C B' =: ('1 6 :6D 'C B' 9!: 9'9'(<9 9FE' 9' 9': 9'9!' 9(C E' 3 C (' 1 :B<@C' 9 :F:' C B' \ : (E' :F< (C SC CD' 6DC ' ;C @C <' 1 ' -' :@(6 :'<' : <C ' 'N' 199 ' ' @'+ B -' N 'N ' :@(6 :'9!' U[?: <D: (C' ;E <@ ' ?=< (9 :' 9 :F:' 6=' $9')' < :@(9'9f' (;:' 39 : D: (' = : C(9 E' C(' 9C=C 1'1'SC?CB<C'1 ' 6=? :'%)

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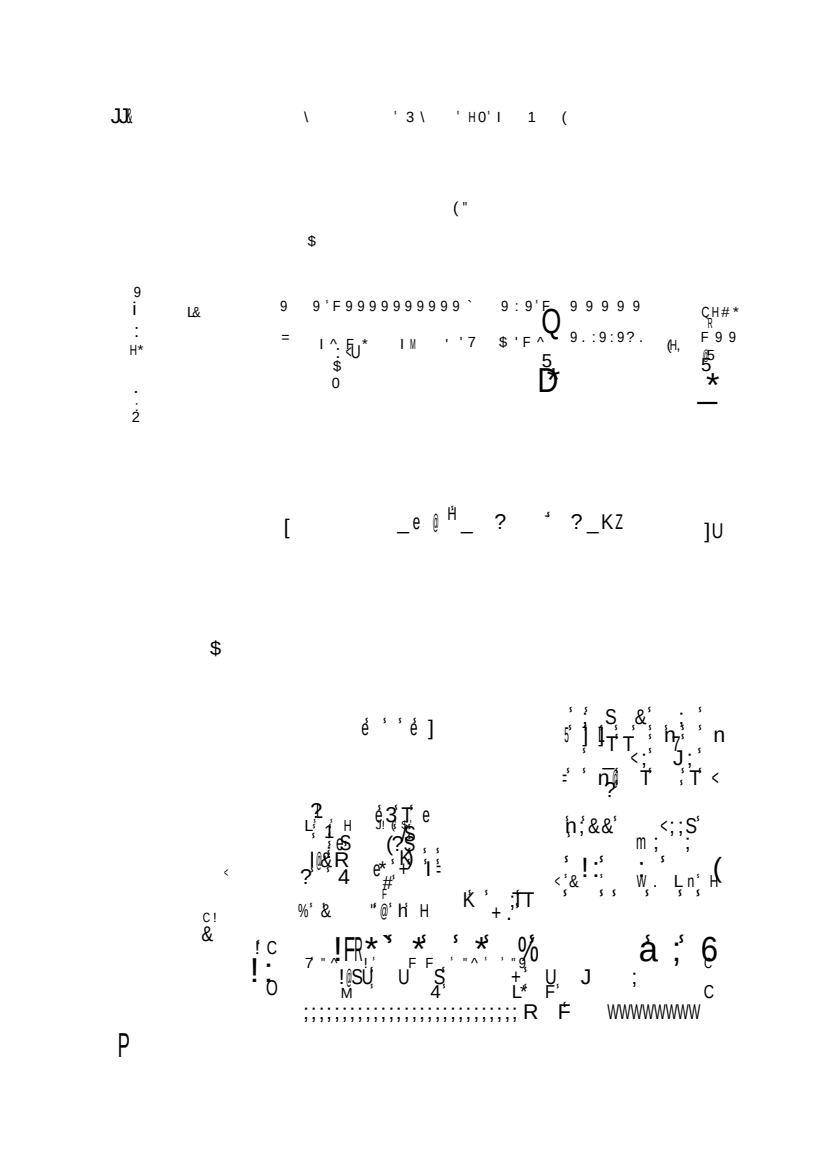

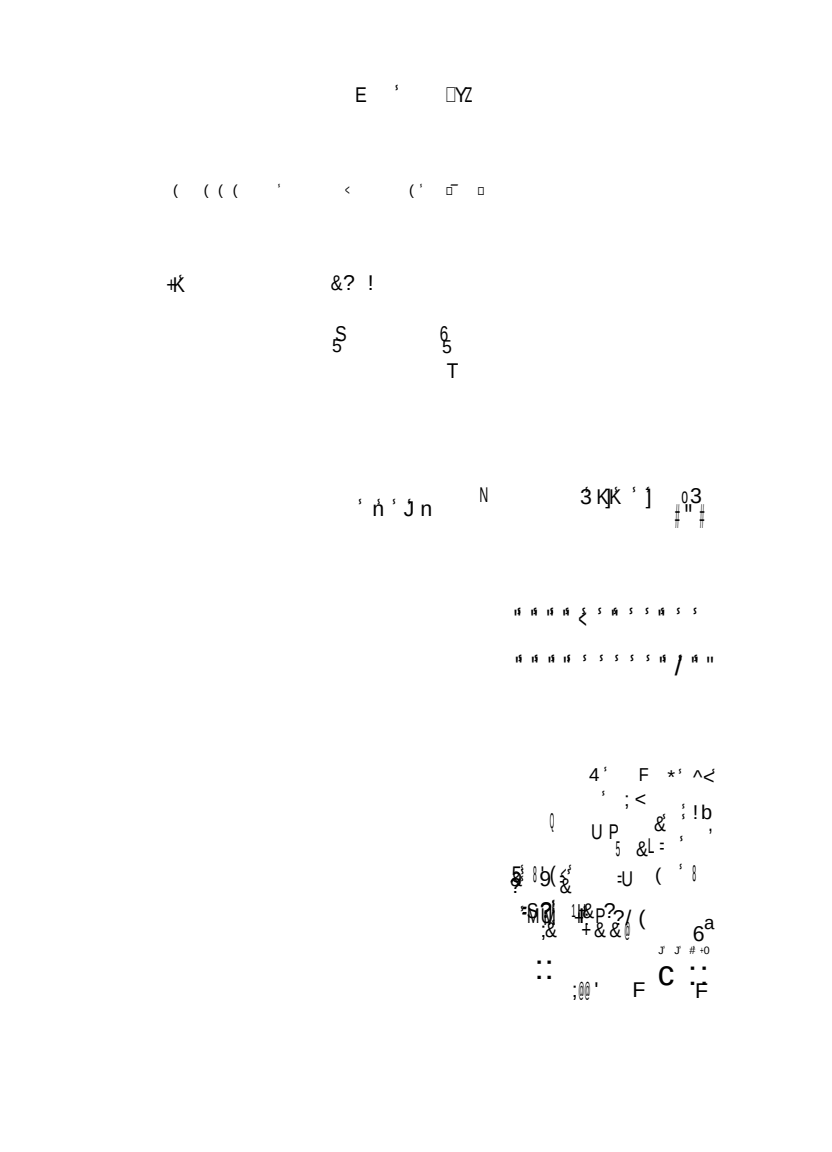

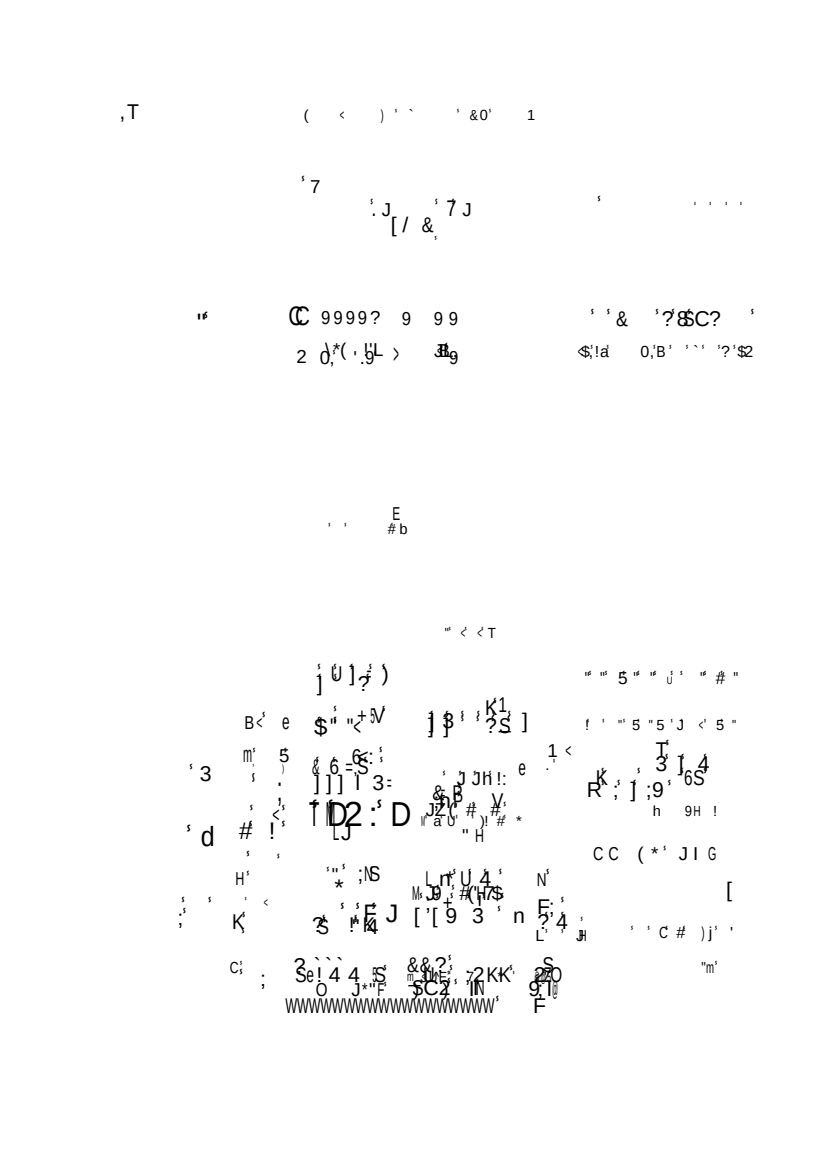

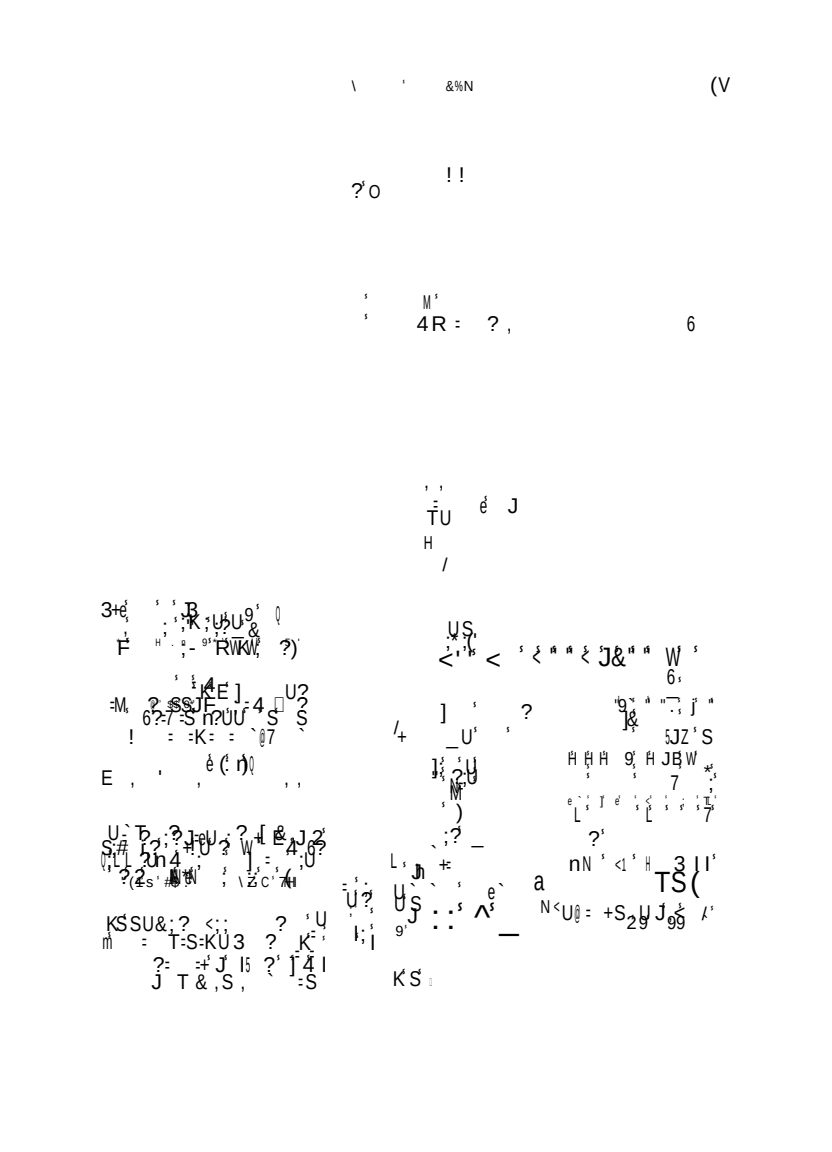

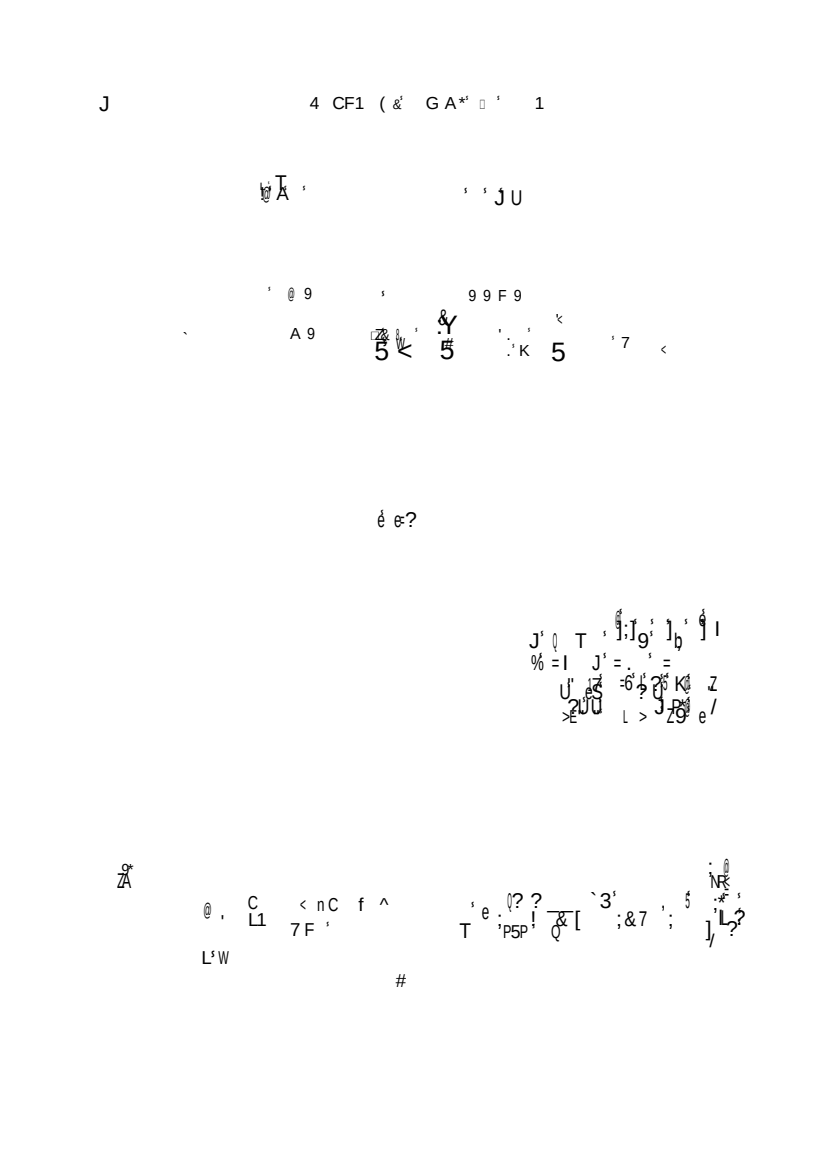

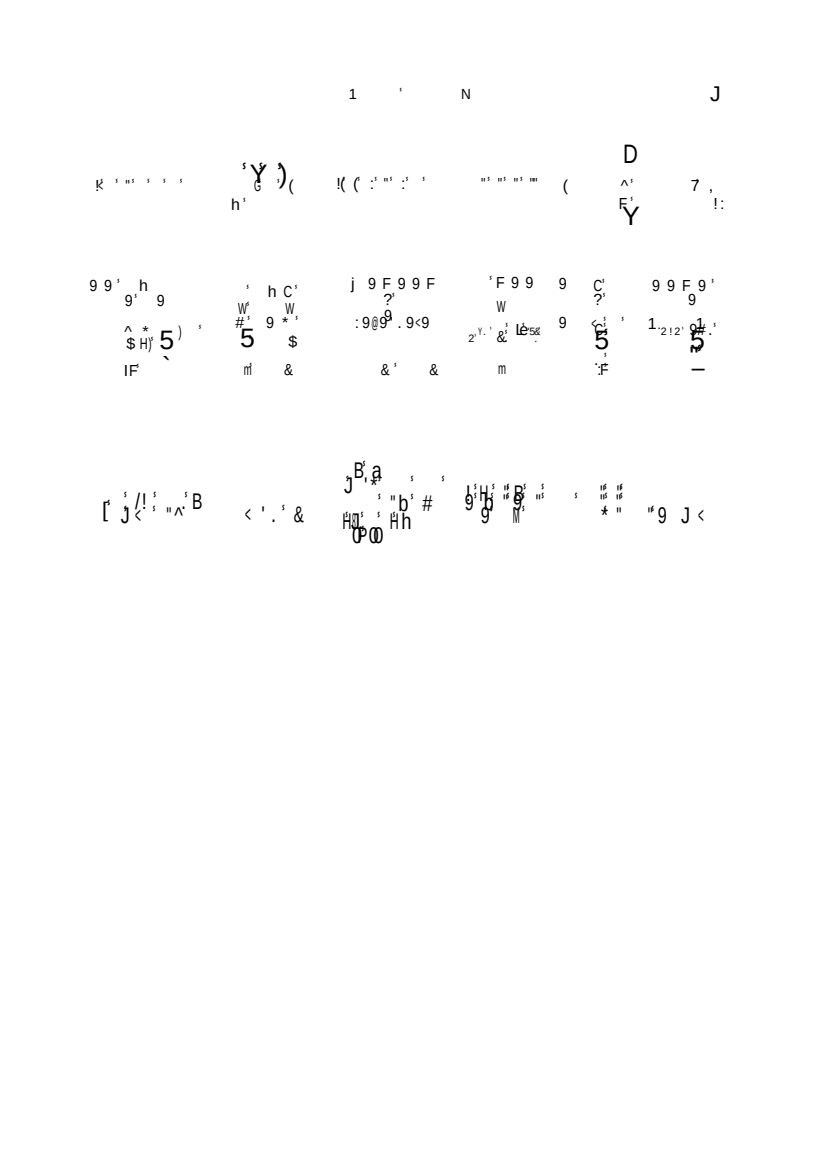

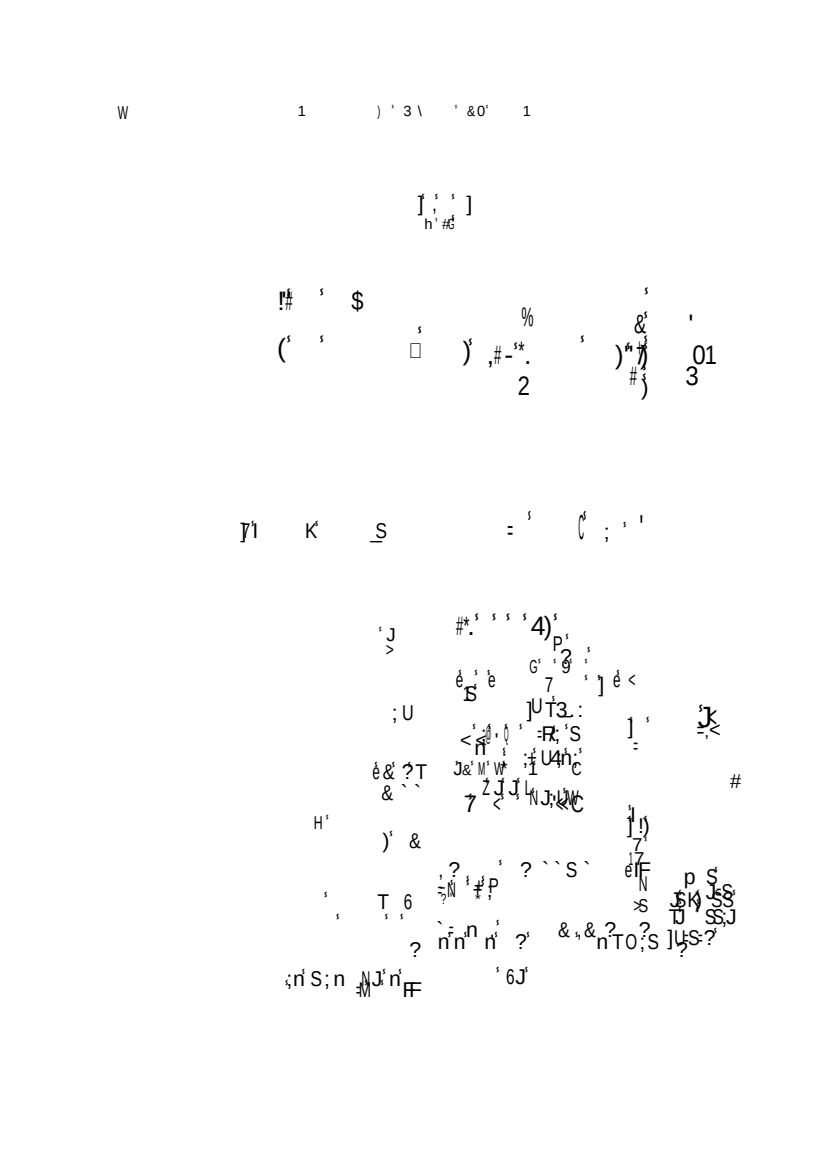

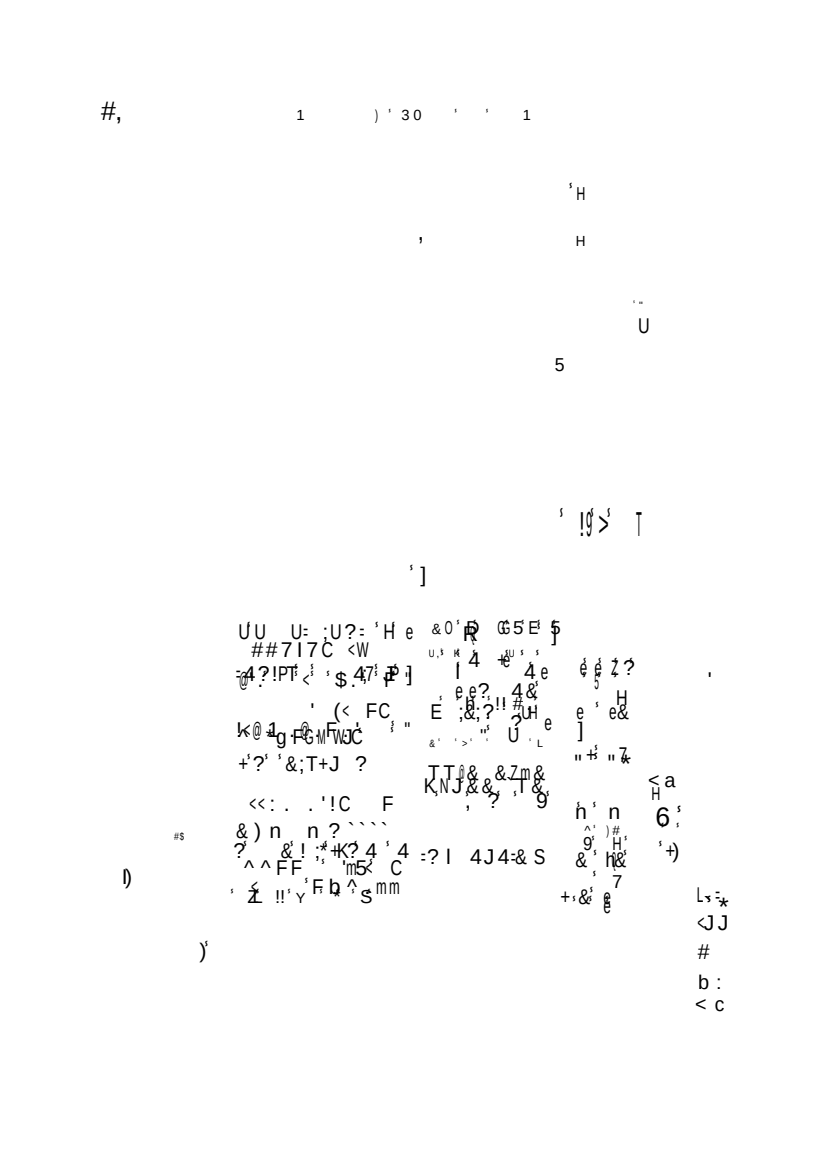

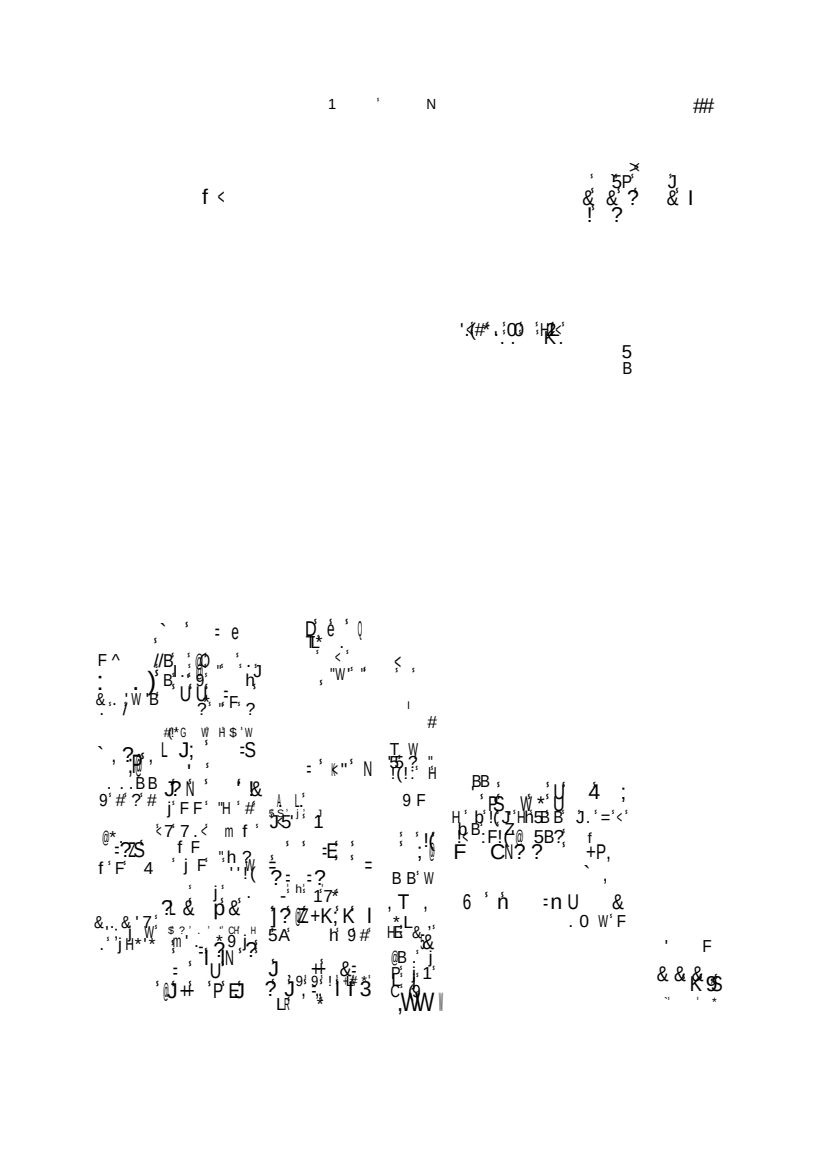

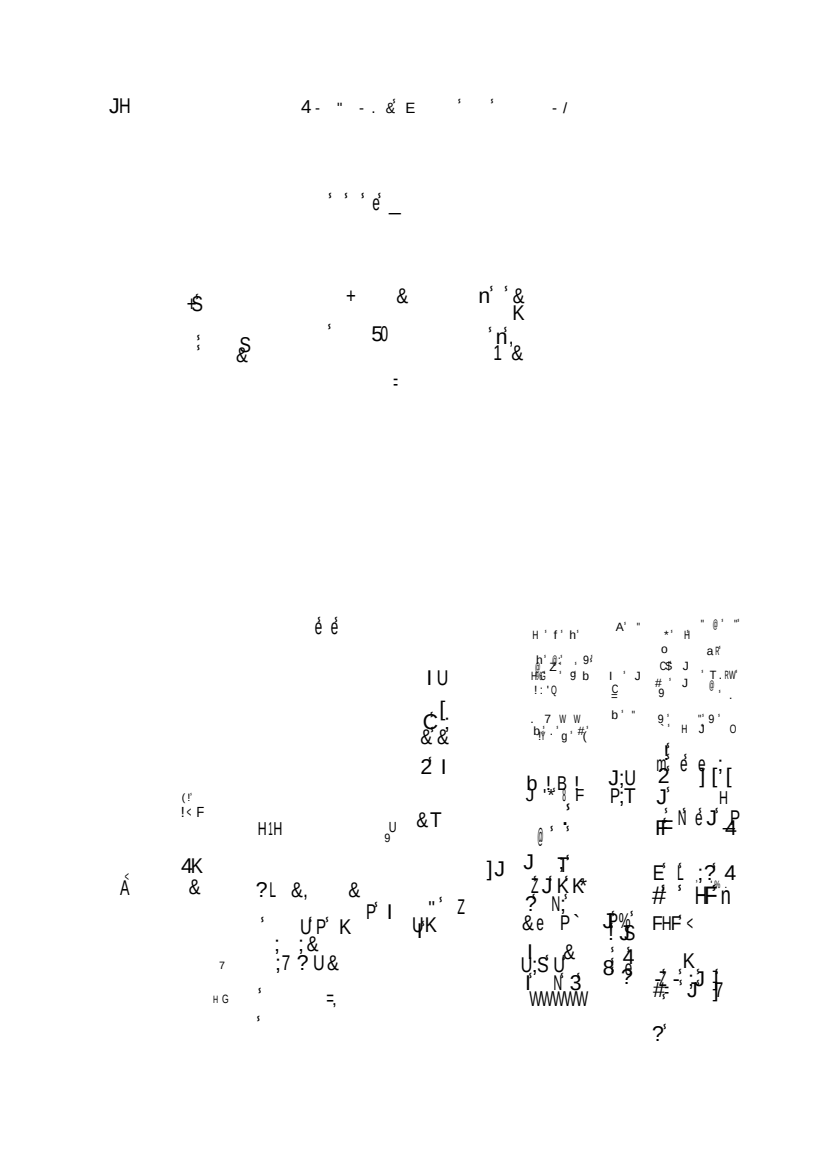

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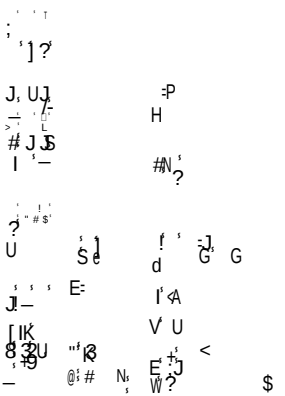

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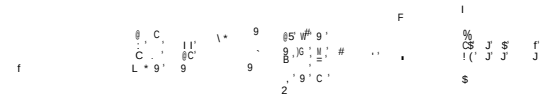

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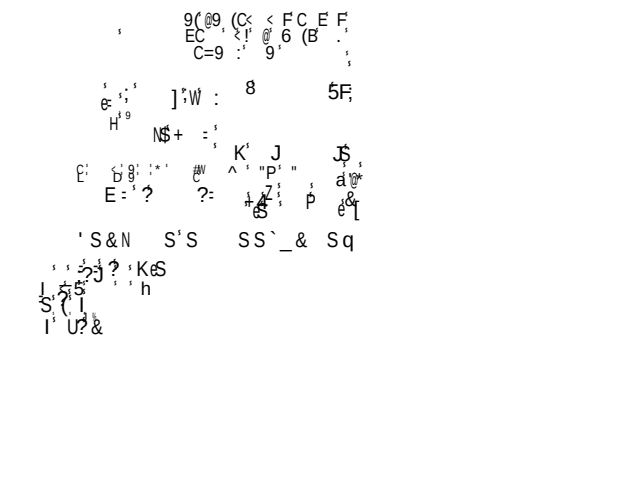

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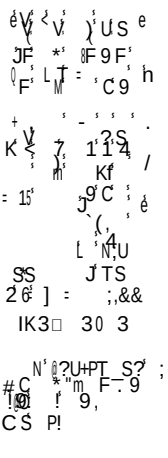

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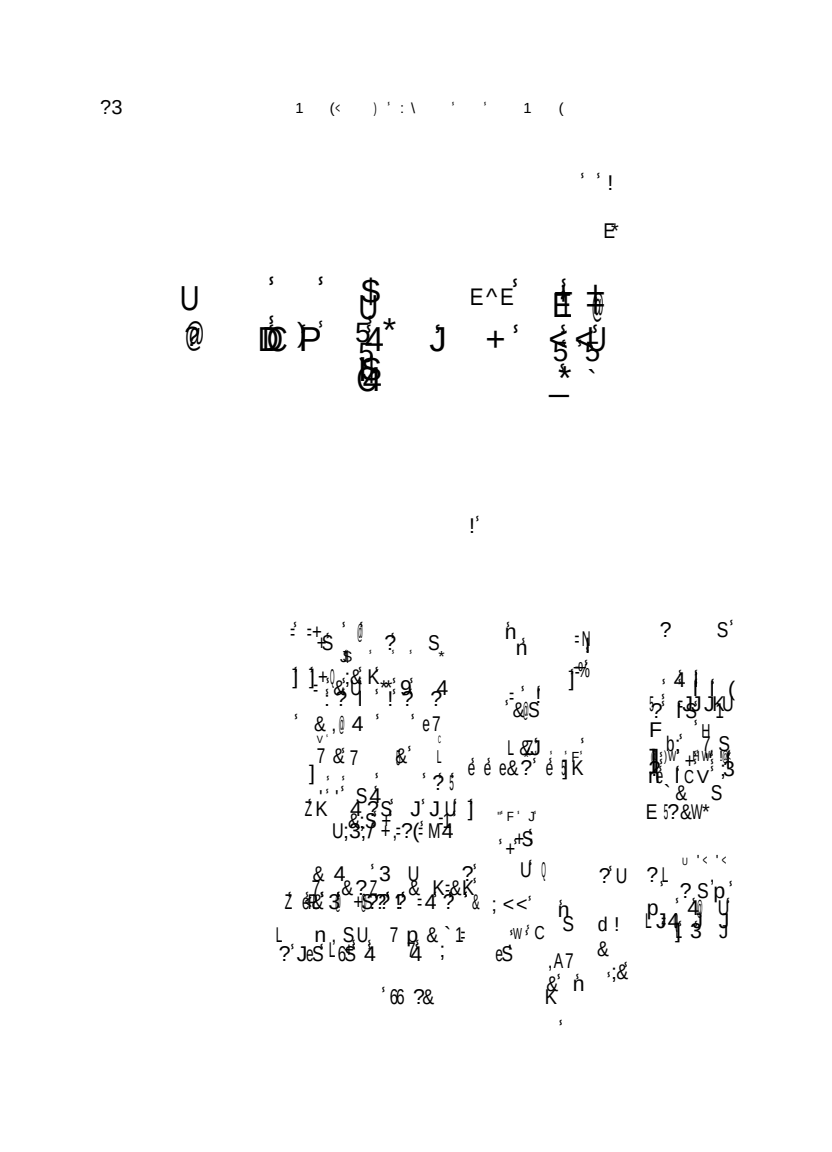

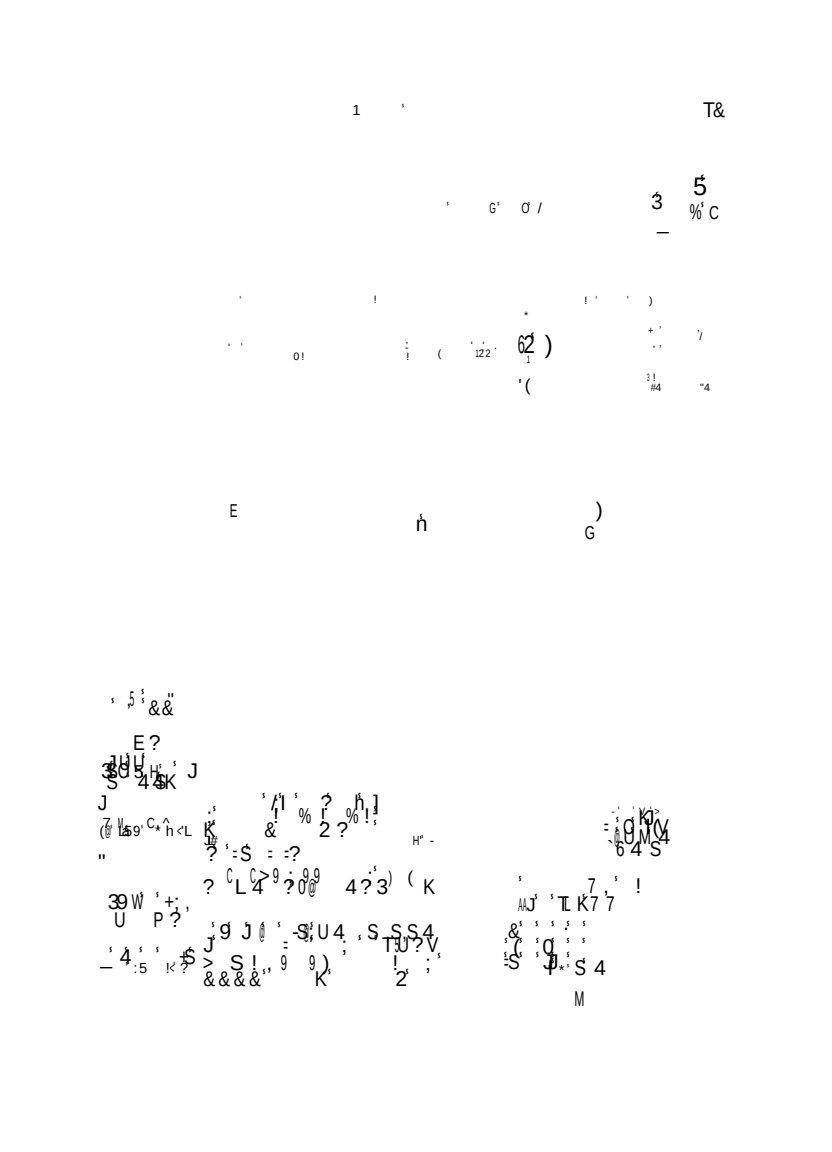

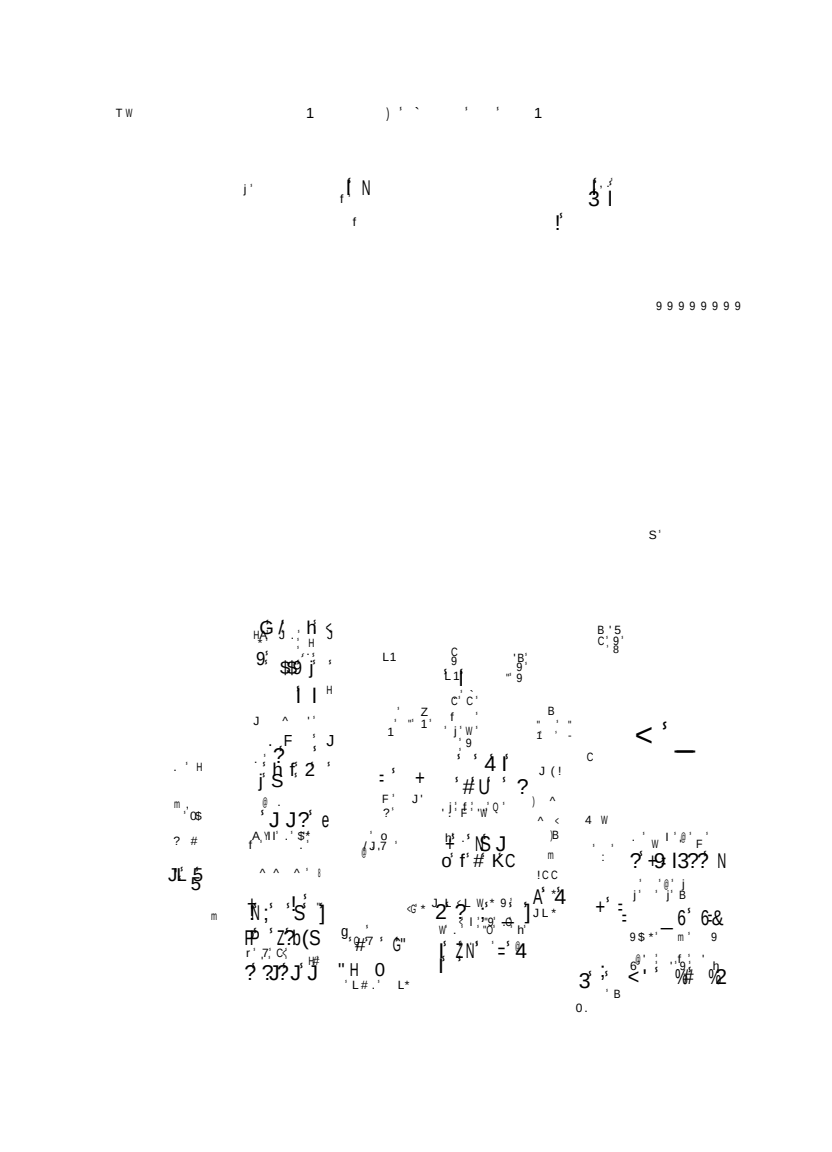

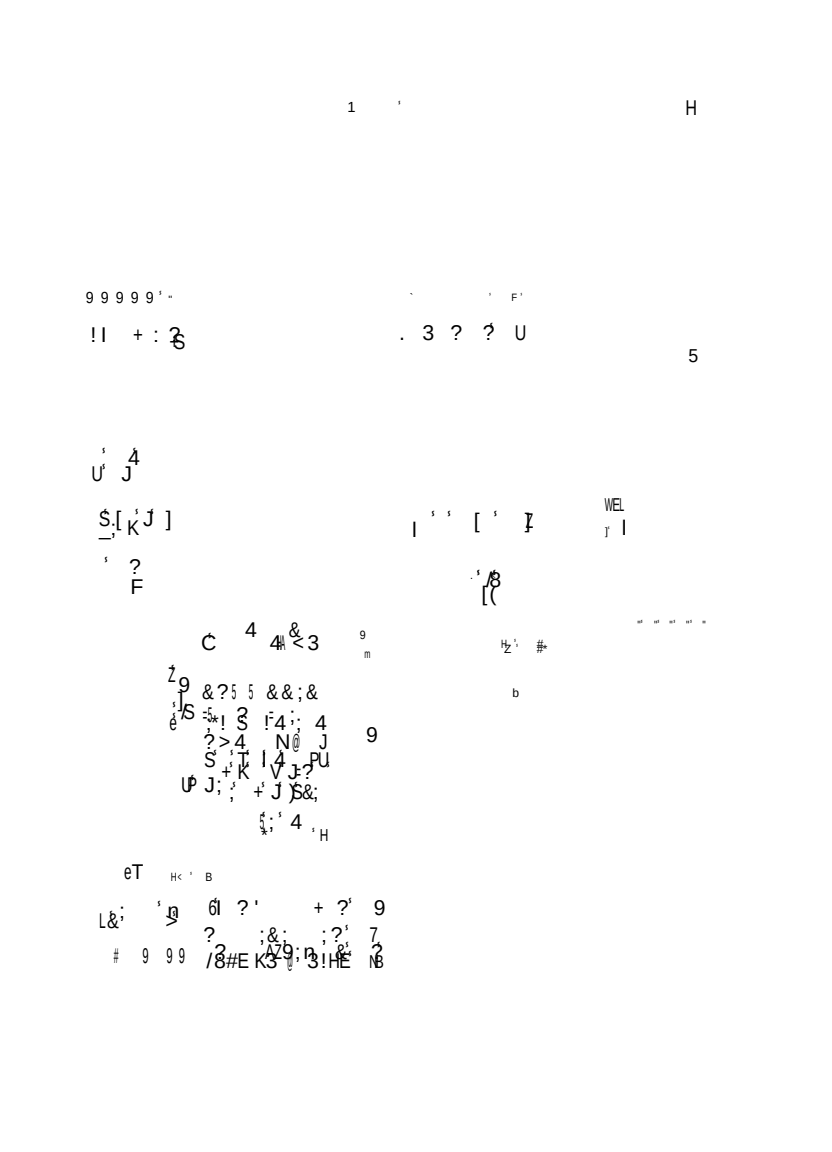

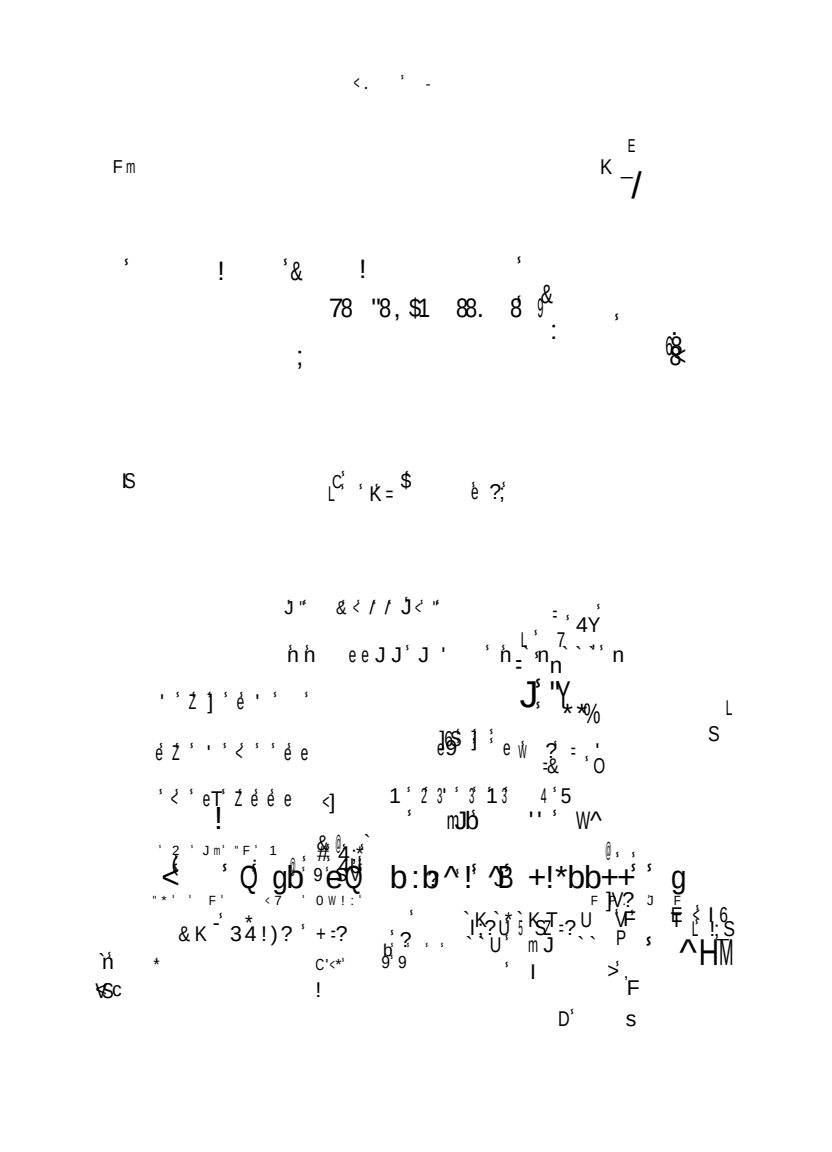

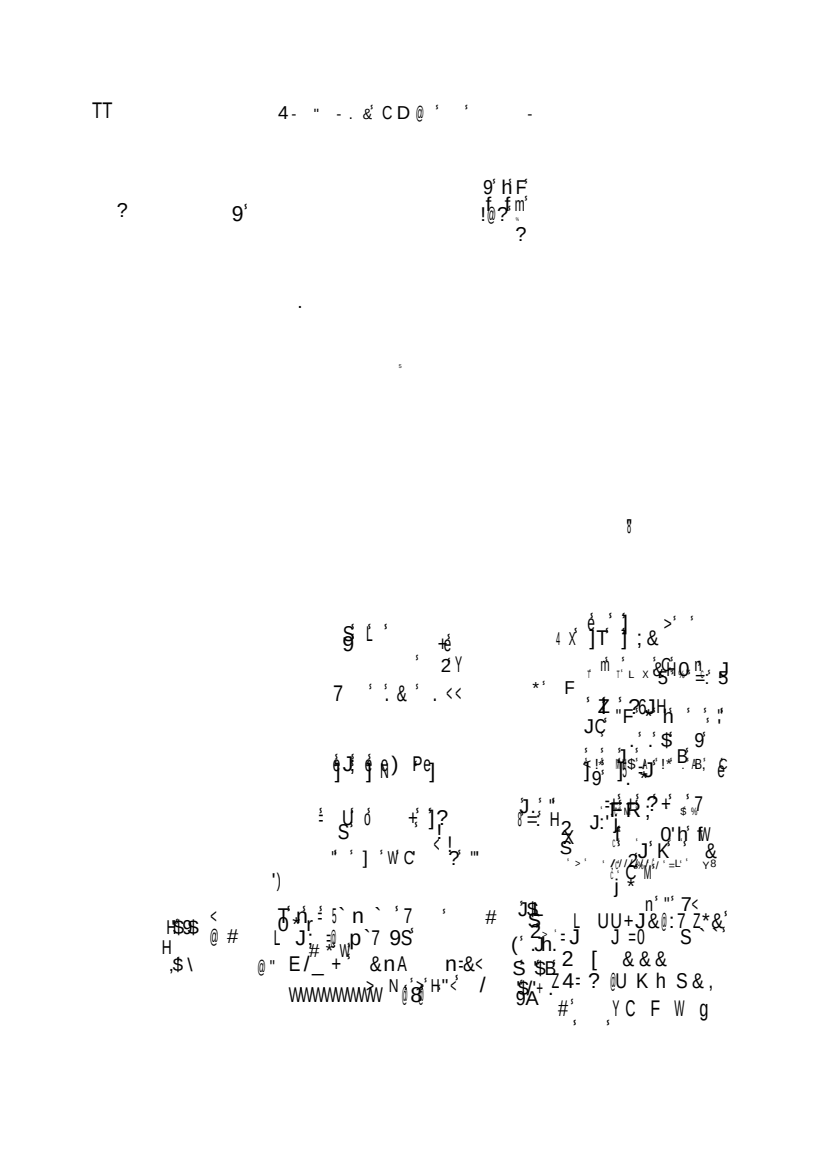

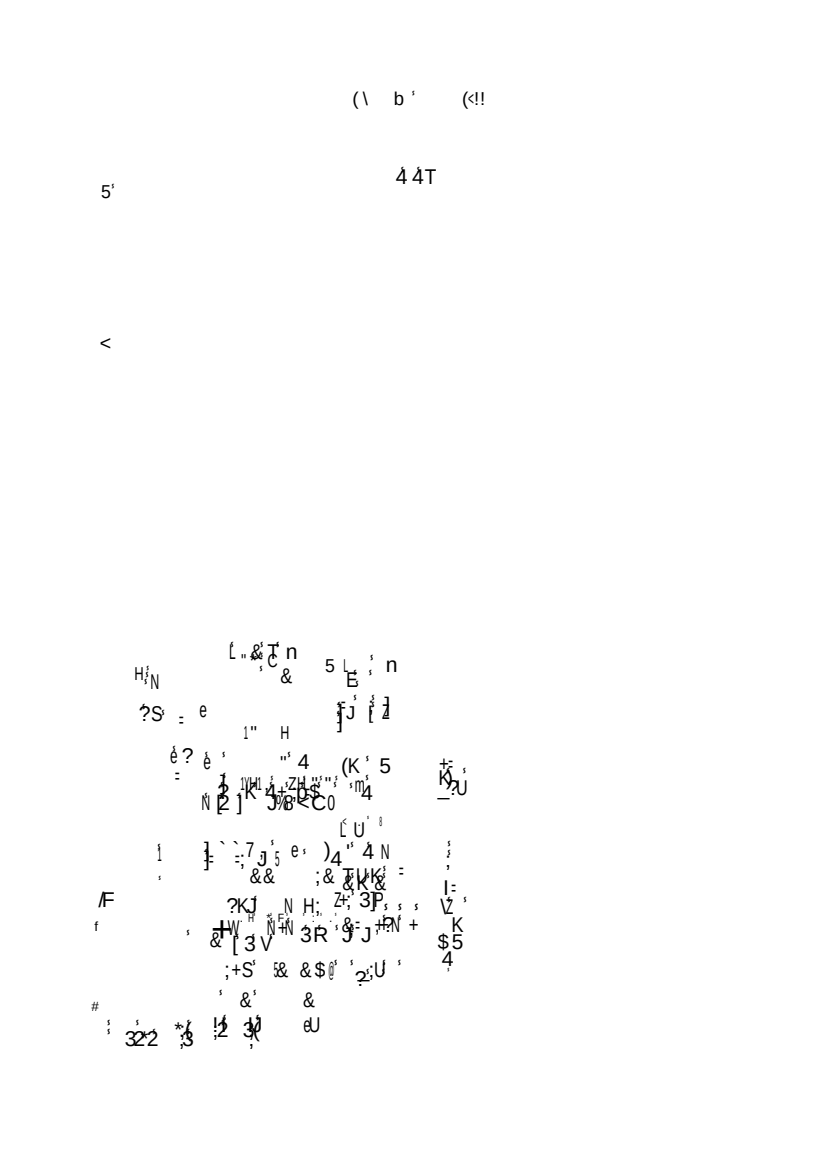

MERCANTILE DIRECTORY.

BOMBAY CHAMBER OF COMMERCE.

(Established 22nd September 1836.)

HONORARY MEMBERS.

Right Hon. Lord Reay, LL.D., G.C.I.E.
William Rathborne, M.P.
A. H. Campbell, Esq.
J. M. Maclean, Esq., M.P.

COMMITTEE FOR 1898.

The *Hon.* Mr. R. H. Macaulay, *Chairman.*
F. C. Macrae, Esq., *Deputy Chairman.*
Lieut.-Col. H. D. Olivier, R. E.
C. G. Giro, Esq.
J. Fairclough, Esq.
I. M. Shields, Esq.
A. F. Simpson, Esq.
D. H. Glade, Esq.
J. M. Dick, Esq.

FREDERICK NOEL PATON, ESQ., *Secretary.*
C. J. MICHAEL, ESQ., *Assistant Secretary.*

MEMBERS.

Messrs. Aldridge, Salmon & Co., Ld.
" Blascheck (A.) & Co.
" Breul & Co.
" Craigie, Lynch and Owen.
" Crawford, Brown & Co.
" David (Sassoon, J.) & Co.
" Duxbury (J.) & Co., Ld.
" Ewart, Latham & Co. [Ld.
" Farbenfabriken Bayer & Co.,
" Finlay, Muir & Co.
" Fleming, Shaw & Co.
" Forbes (C. H. B.) & Co.
" Forbes, Forbes & Co., Ld.
" Framjee, Sons & Co.
" Gaddum & Co.
" Glade & Co.
" Graham (W. & A.) & Co.
" Greaves, Cotton & Co.
" Killick, Nixon & Co.
" Kerr, Tarruck & Co.
" King, King & Co.
" Latham & Co.
" Latham, Abercrombie & Co.
" Lyon & Co.
" Macdonald (C.) & Co.
" Mackinnon, Mackenzie & Co.
" Mooljee Jaitha & Co.
" Murray (William) & Co.
" Narandas Rajaram & Co.
" Ostermeyer (M.) & Co.
" Owen and Okell.
" Payne, Gilbert and Sayani.
" Petit (D. M.) Sons & Co.
" Prier de Saone & Co.
" Ralli Brothers.
" Richardson and Cruddas.
" Ritchie, Steuart & Co.
" Roughton and Byrne.
" Rustomji (H. J.) & Co.
" Sanday & Co.
" Sassoon (D.) & Co.
" Sassoon (E. D.) & Co.
" Schroder Smidt & Co.
" Shepherd & Co.
Messrs. Spinner (E.) & Co.
" Tata & Sons.
" Treffitz (J. G.) & Sohn.
" Thomas Cook & Son.
" Turner, Morrison & Co.
" Volkart Brothers.
" Wallace & Co.
The Bombay Company, Ld.
The South British Fire & Marine Insurance Co. of New Zealand.
The London and Lancashire Fire Insurance Co., Ld.
The Agra Bank, Limited.
The Bank of Bombay.
The Chartered Bank of India, Australia & China.
The Mercantile Bank of India, Ld.
The Comptoir National d'Escompte de Paris.
The Hongkong and Shanghai Banking Corporation.
The National Bank of India.
The Imperial Bank of Persia.
The Credit Lyonnais.
The Yokohama Specie Bank, Ld.
The Commercial Bank of India, Ld.
The G. I. P. Railway Company.
The B. B. & C. I. Railway Company.
The Southern Mahratta Railway Co.
The P. & O. S. N. Company.
The Austrian Lloyd's S. N. Co.
The Rubattino S. N. Company.
The Nippon Yusen Kaisha.
The Mitsui Bussan Kaisha.
The Bombay Dyeing and Manufacturing Company, Limited.
The Bombay Tramway Co., Ld.
Standard Oil Co. of New York.
The Vacuum Oil Company.
E. Seymour Hale, Esq., Attorney and Representative of the Publisher's Association London.
John Fachiri, Esq.
Ahmedbhoy Hubibbhoy, Esq.

MUNICIPALITY OF BOMBAY.

(OFFICES :—*Hornby Road.*)

W. L. HARVEY, I.C.S., C.I.E., Municipal Commissioner.

J. H. DuBoulay, I.C.S., Deputy Municipal Commissioner, Plague Operations.

Members of the Standing Committee of the Municipal Corporation.

IBRAHIM RAHIMTULLA, ESQ., *Chairman.*

Accacio G. Viegas, L.M. & S.
Cowasji Hormusji.
Cuffe, T. W.
Mulji Bhawandas Barbhaya.
Vincent, R. H. C I E.
Dr. Ismael Jan Mahomed.
Roughton, G. W. A. D. C.
Kaikhosro N. Kabraji.
K. M. Shroff.
O. V. Muller, M.A.
Nanabhai N. Katrak, L.M. & S.

Members of Corporation.

BHALCHANDRA K. BHATAWADEKAR, THE HON'BLE MR., L.M., *President.*

Abdul Hussein Adamji Peerbhai.
Ardasir Framji Unwalla.
Badrudin bin Abdulla Kur.
Bhagwandas Narotumdas.
Burke, C. T., The Hon'ble Mr.
Byramjee Nusserwanjee Servai.
Campbell, H. O.
Cotton Sir George, K. T.
Cowasji Hormusji.
Cuffe, T. W.
Dhakji Cassinathji, Rao Bahadur.
Darashah Ratanji Chichgar.
D'Mente, Dominick A., M.D.
DeSilva Diogo Manual, L. M. & S.
Dinsha Bomanji Master.
Dinshaw Edulji Wacha.
Dost Mahomed Allana.
Elappa Balaram, Rao Bahadur.
F. Sorabji Taleyarkhan
Fazalbhai Jumabhai Lalji.
Fazubhai Karimbhai Ibrahim.
Fazalbhoy Visram, The Hon. Mr., C.I.E.
Finny, T. G. R., Commander.
Gell, H. G.
Goverdhandas Khatav.
Hari Sitaram Dikshit.
Hasambhai Visram.
Hormusjee C. Coorlawalla.
Hormasji Shapurji Vakil.
Harkisondas Narotamdas.
Ibrahim Rahimtula.
Ismael Jan Mahomed, L.M. & S.
Jamsetji C. Jamsetji.
Jamsetjee Jejeebhoy Sir (Bart), C.S.I.
Jamsedji Kharsedji Kama.
Kaikhosro N. Kabraji.
Kalabhai Lalubhai.
Kaliandas Keshewdas.
Kurrimbhai Adumji Peerbhoy.
Karsondas Chubildas.
Kawasji Eduljí Dadachanji.
K. M. Shroff.
Kazi Kabirudin.
Kharshedji N. Wadya.
Lund, G.
Macdonald, James.
Manmohandas Ramji.
McKenzie, A.
Mir Aun Ali.
Mirza Hussein Khan.
Mulji B. Barbhaya.
Muller, O. V., Professor, M.A.
Nanabhai N. Katrak.
Nowrojee J. Gamadia.
Nowrosji N. Wadia, C.I.E.
Pestonjee N. Wadia.
Pherozeshah Merwanjee Mehta, The Hon'ble Mr., C.I.E.,
Rahimtula Khairaz.
Rahimtula Mahomed Sayani, M. A., LL. B.
Rastam K. R. Kama, B.A., LL. B.
Roughton, G. W., A.D.C
Sorabji C. Dhondy.
Sundernath D. Khote.
Tribhowandas Munguldas Nathoobhoy.
Underwood, E.F., M.D., M.A., P.H.D., F.R.M.S. F.M.S.
Viegas, Accacio Gabriel, L.M. & S.
Vincent, R. H., C.I.E.
Vithaldas Damoder.
Vithalrao K. Vandekar, Rao Bahadur.
Haji Yoosof Haji Esmail.

MERWANJI NUSSERNWAJI WADIA, B.A., Municipal Secretary.

Chief Officers.

Khan Bahadur, M.C. Murzban, C.I.E., Executive Engineer.
J. W. Smith, Special Drainage Engr.
C. C. James, Dy. Ex. Engr. Drainage.
A. F. Bruce, Acting Dy. Ex. Engr. Water Works. [Officer.
Surg.-Lieut.-Col. T. S. Weir, Health
R. P. Brunton, Assessor and Collector.
J. Leask, Assistant Health Officer.
W. E. Waite, Chief Accountant.
D. Bennett, Supt. of Markets.
W. Pearson, Revenue and Refund Audit Officer.
H. Holmes, Asst. to the Commissioner.
Sorabji Bomanji Master, Superintendent of Licenses.
C. D. Mahaluxmiwala, Superintendent Municipal Gardens. [Brigade.
W. Nicholls, Chief Officer, Fire
Dr. Duncan Macdonald, Secretary and urator, Victoria and Albert Museum.
N. B Masani, Secretary, Joint Schools Committee.
Nanabhai Rustomjee Ranina, Auditor.
A. Thomson, Auditor.

M. N. WADIA, B. A., Municipal Secretary.

GENERAL TAXES.—9 per cent.

Fire Brigade.—¼ per cent.

Horse and Wheel Tax.

Each four-wheeled Vehicle, drawn or impelled by horses, ponies, mules, donkeys, bullocks, or machinery ..... Rs. 5 per quarter.
Each two-wheeled Vehicle, drawn or impelled by horses ponies, mules, donkeys, bullocks, or machinery .... ,, 3 ,,
Each Vehicle drawn or impelled otherwise than by horses, &c. ,, 2 ,,
Each horse, pony, or mule, of a height of 12 hands or upwards ,, 6 ,,
Each horse, pony, or mule, of less than 12 hands .... ,, 2 ,,
Each bullock or buffalo kept for draft or pack purposes ... ,, 1 ,,
Each donkey kept for pack or draft purposes or for riding... ,, 1 ,,

Water Tax.

Water, when delivered through meters, to be charged at the rate of 12 annas per 1,000 gallons, and Charitable Institutions in the City of Bombay at 4 annas per 1,000 gallons, at the compounded sum per quarter to be based on the average consumption for 3 years.

For water not supplied through meter—

4 per cent. on valuation, except in special cases such as Temples, Clubs, &c., for which special sanction of the Standing Committee is obtained to charge at different rates.

Halalcore Tax.

3 per cent. on the rateable value of the property payable by each occupier, but not less than 4 annas per mensem.

In other cases, such as Government and Port Trust properties and large buildings, special rates are charged.

Town Duties.

Maximum rates leviable.

	Rs.	a.	p.		Rs.	a.	p.
Grain of all sorts, per candy.....	0	4	0	Ghee, per Bombay maund	0	10	0
Firewood, per candy	0	1	0	Timber, exclusive of railway sleepers (on market value)..	2½ p.ct.		
Wines and spirits, per imperial gallon	0	4	0	Flour of all sorts, 75 per cent. of the			
Beer, per gallon	0	0	6	rate at the time being levied on the			
Sugar, molasses, & goor, per cwt.	0	8	0	grain from which the flour is prepared.			

PRESIDENCY MAGISTRATES' COURTS—Esplanade.

J. SANDERS-SLATER, Chief Presidency Magistrate.
W. R. HAMILTON, Second Magistrate.
W. C. WEBB, Third Magistrate.
Khan Bahadur Phiroz Hosung Dastur, Fourth Magistrate.
A. W. LESTER, Chief Clerk.

CORONER FOR THE CITY OF BOMBAY.—A. F. TURNER.

BOMBAY CHRISTIAN BURIAL BOARD.

OFFICE :—HORNBY ROAD, MUNICIPAL OFFICES.

W. L. HARVEY, ESQ., Municipal Commissioner, *Ex-officio Chairman.*

MEMBERS.

The Venerable Archdeacon W. E. Scott.
The Rev. James H. Mackay.
The Rev. J. Hœne, S.J.
The Chaplain of Colaba.
The Rev. R. M. Gray.
The Chaplain of Byculla.
The Rev. F. N. Hill.
Captain Crowder.
J. F. Vaz, Esq.

J. Leask, Esq., *Hony. Secretary.*

The members of this Board are appointed by the Local Government, and have the management of Sewri Cemetery, for which purpose they have certain powers conferred on them, including the licensing of undertakers and sculptors.

The hours for funerals are half-past six in the morning, and half-past five in the evening, or as nearly so as practicable.

The fee for each interment is Rs. 5, subject to reduction or remission by the Board in special cases.

No fee is charged for the interment of the bodies of British Soldiers and Non-Commissioned Officers, Seamen and Petty Officers of the Royal Navy and Indian Marine, and Pensioners of those grades.

Visitors are cautioned against giving gratuities to the servants at Sewri.

Bombay Fire Brigade.

Under the Orders of the Municipal Commissioner.

W. Nicholls, Chief Officer.
G. F. Weston, Head Foreman.
R. Mackay, Foreman.
W. J. Beane, do.
E. Ratcliffe, do.
R. Champ, do.
B. W. Wilson, do.

FIRE-ENGINE STATIONS.

Hornby Road, Fort, Steam Fire Engine.
Gowalia Tank Road do. do.
Sankli Tank, Byculla, do. do.
Chinchpoogly Road do. do.
Thomas Street, Colaba do. do.
Babula Tank Road do. do.
Gibbs' Road, Malabar Hill, Manual Engine.
DeLisle Road do.
Mori Road, Mahim, do.
Naigaum Road, Dadur, do.
Dockyard Road, Mazagon, do.
Kalbadavie Road, Bhuleshwar, do.

BOMBAY PORT TRUST.

The Hon'ble Mr. C. T. BURKE, B.E., M. Inst. C.E., *Chairman.*

The Hon'ble Mr. R. H. Macaulay.
J. L. Symons, Esq., (On leave.)
N. S. Glazebrook, Esq. (*Acting*).
A. Abercrombie, Esq.
R. G. Currie, Esq.
Nowrosji Nasarwanji Wadia, Esq., C. I. E.
W. L. Harvey, Esq., I.C.S.
The Hon'ble Mr. Fazulbhoy Visram, C.I.E.
The Hon'ble Vizbhucandas Atmaram.
Captain W. S. Goodridge, R. N.
I. M. Shields, Esq.
J. Willcocks, Esq.
W. T. Morison, Esq., I.C.S.
Commander G. Wilson, R.I.M., Port Officer.
Commander G. S. Hewett, R.I.M., Asst. Port Officer.
P.G. Messent, Esq., M. Inst. C.E., Engr.
A. C. W. Fosbery, Esq., Asst. Engineer
A. Panton, Esq., Traffic Manager.
J. Hand, Esq., Docks Superintendent.
F. G. Dumayne, Esq., Secretary.
W. N. Shilstone, Esq., Asst. Secretary.

POLICE COMMISSIONER'S OFFICE—Parel Road, Byculla.

H. KENNEDY, Commissioner of Police.
H. G. GELL, Deputy Commissioner of Police, Bombay.

GENERAL POST OFFICE.

(Frere Town, Esplanade.)

W. P. SYMONDS, I.C.S., Postmaster-General.

G. A. T. Bennett, Personal Assistant to Postmaster General. (On deputation.)

Dinsha K. Sukhia, Superintendent, Postmaster General's Office, Officiating. Personal Assistant to Postmaster General.

S. P. Vas, Officiating Superintendent, Postmaster General's Office.

W. Merrett, Presidency Postmaster.
C. H. Watts, Deputy Postmaster.
Jivaji Pestanji, Assistant Postmaster.
Maneckji Jamshedji Gandevia, Manager, Dead Letter Office.
Yashvant Ramchandra Senjit, Superintendent, Postal Press.
G. F. Stowell, Superintendent, Railway Mail Service, Bombay Division. (On furlough.)
E. M. Duhan (Offg.).

DATES OF DEPARTURE FROM BOMBAY OF THE HOMEWARD OVERLAND MAIL STEAMERS.

The following table showing the dates of departure from Bombay of the P. and O. Company's Homeward Mail Steamers during the year 1898:—

ON SATURDAYS AT 2 P.M.

January	1899	...	...	...	...	...	7	14	21	& 28
February	,,	...	...	...	...	...	4	11	18	& 25
March	,,	...	...	...	...	...	4	11	18	& 25
April	,,	...	...	...	..	... 1	8	15	22	& 29
May	,,	...	...	...	...	...	6	13	20	& 27
June	,,	...	...	...	...	...	3	10	17	& 24
July	,,	...	...	...	...	... 1	8	15	22	& 29
August	,,	...	...	...	...	...	5	12	19	& 26
September	,,	...	...	...	...	... 2	9	16	23	& 30
October	,,	...	...	...	...	...	7	14	21	& 28
November	,,	...	...	...	...	...	4	11	18	& 25
December	,,	...	...	...	...	... 2	9	16	23	& 30

LATEST HOURS OF POSTING.

—	At the G. P. O.		At the T. P. O.	
	Ordinary correspondence.	Registered articles.	Ordinary correspondence.	Registered articles.
Every Saturday	12-30 p. m.	11 a. m.	12 noon.	11 a. m.

1. Foreign Money orders are received as follows:—

G. P. O.
up to 11 a. m.
T. S. O.
up to 4 p. m.
of previous day.

2. Foreign Parcels are received as follows:—

G. P. O.
up to 11 a. m.
T. S. O.
up to 5 p. m.
of previous day.

3. Ordinary books and patterns should be posted half an hour earlier at the General Post Office.

4. At Jacob's Circle and Parel, correspondence should be posted 20 minutes earlier.

LATE FEE CORRESPONDENCE.

Late ordinary correspondence fully prepaid by means of stamps in respect of postage and late fee will be received as follows :—

Mails for.	At the General Post Office.		On board the mail steamer.	
	Time.	Fee.	Time.	Fee.
Europe, &c., by P. & O. Contract Route.	From 12-30 p. m. to 1-15 p. m. (during the fair season.)	2 annas.	From 1-15 p. m. to time of starting 2 p. m. (during the fair season.)	2 annas.

CHINA AND AUSTRALIAN MAILS.

Mails for China, Colombo, Penang, Singapore, Hongkong, Shanghai Japan, and the Australian Colonies are despatched by the P. & O. Coy's Steamers as follows:—

ON ALTERNATE TUESDAYS.

January	1899	3, 17	&	31	July	1899	4	& 18
February	„	14	&	28	August	„	1, 15	& 29
March	„	14	&	28	September	„	12	& 26
April	„	11	&	25	October	„	10	& 24
May	„	1, 9	&	23	November	„	7	& 21
June	„	6	&	20	December	„	5	& 19

The date of departure of these Steamers is subject to postponement and whenever this takes place, notice is previously given in the daily newspapers.

Mails for Australia are forwarded in alternate weeks on Mondays by the Orient Line Steamers. Mails for China and the Straits Settlements are also forwarded *via* Negapatam and Colombo by the B. I. S. N. Coy's. Messageries Maritime, Austrian Lloyd's, North German Llyod's Steamer.

Postage on Letters to China, Ceylon, Penang, Singapore, Hongkong, Shanghai, Japan, and for Australian Colonies is 2½ annas per ½ oz., and for Newspapers not exceeding 2 oz., ½ anna.

PREPAID INLAND POSTAGE RATES.

	A.	P.
Post Cards, each	0	3
Letters—not exceeding ½ tola	0	6
From ½ to 1½ tola	1	0
For every additional ½ tola	1	0
Book and Pattern Packets in open covers, including Newspapers—not exceeding 10 tolas	0	6
For every additional 10 tolas	0	6
* Registered Parcels by Parcel Post, not exceeding 20 tolas	4	0
„ Exceeding 20 tolas and not exceeding 40 tolas	8	0
„ For every additional 40 tolas	4	0
Unregistered Parcels not exceeding 20 tolas	2	0
Unregistered Parcels not exceeding 40 tolas	4	0
For every additional 40 tolas up to 440 tolas	4	0

* To be paid in postage stamps affixed to them, when prepaid.

MAILS FOR PERSIAN GULF AND KARACHI.

The B. I. S. N. Company's Contract Steamers are despatched from Bombay to Karachi, Sind, Cutch and Kathiawar once a week, *viz.*, every Tuesday, and direct to Karachi and Sind every Thursday, and for Persian Gulf, Karachi, Sind and Beluchistan, once a week, *viz.*, every Saturday or soon after the arrival of the English Mail Steamer if the latter arriving after 2 P.M., on Saturday.

LATEST HOURS OF POSTING AT THE GENERAL POST OFFICE FOR LOCAL DELIVERY IN BOMBAY AND SUBURBS, (LOCAL TIME).

Post Offices of delivery.	For 1st Delivery at 8 A. M.	For 2nd Delivery at 10 A. M.	For 3rd Delivery at 1 P. M.	For 4th Delivery at 3 P. M.	For 5th Delivery at 5 P. M.
General Post Office	7-45 A. M.	9-45 A. M.	12-45 P. M.	2-40 P. M.	4-40 P. M.
Apollo Bundar, Colaba	7-15 A. M.	9-15 A. M.	12-15 P. M.	2-10 P. M.	4-10 P. M.
Byculla, Girgaon, Jacob's Circle, Malabar Hill, Market, Mandvi, Mazgaon, Parel, Prince's Dock, Tardeo, Umarkhadi	6-15 A. M.	8-15 A. M.	11-15 A. M.	1-10 P. M.	3-10 P. M.

DELIVERY OF INLAND MAILS.

Mails from	No. of delivery.	Time.
Madras Presidency, Poona, Ahmednagor, Guzerat, Ahmedabad, Kathiawar, Cutch and Rajputana ... ... Goa and Konkan Ports (DURING THE FAIR SEASON)...	1st	8 A. M.
Nasik, Khandesh, Ahmednagor, Central Provinces, Berar, Calcutta, Bengal and Burma	2nd	10 A. M.
Southern Mahratta Country, Poona, the Deccan, Dharwar & Kanara ... Goa and Konkan Ports and Southern Konkan (DURING THE MONSOON) ... Uran, Panvel and Belapur (DURING THE FAIR SEASON)	3rd	1 P. M.
Nasik, Khandesh, Central Provinces, Northern India, Calcutta, Bengal and Burma ... ... Southern Konkan (DURING THE FAIR SEASON...) ... ... Uran, Panvel and Belapur (DURING THE MONSOON)	5th	5 P. M.

TIME OF DELIVERY ON HOLIDAYS. DELIVERY OF UNPAID CORRESPONDENCE AND PARCELS. PAYMENT OF MONEY ORDERS.

	General Post Office.		Town Sub-offices.	
	No. of delivery.	Time.	No. of delivery.	Time.
SUNDAYS AND POST OFFICE HOLIDAYS ... (Paid and Registered correspondence only)...	1st	8-30 A. M.	1st	9-30 A. M.
Inland parcels—Week-days only	2nd	10 A. M.	3rd	1 P.M.
Unpaid correspondence ... Week-days only	2nd & 4th	10 A.M. & 3 P.M	2nd & 4th	10 A.M. & 3 P.M.
Payment of money orders Week-days only	3rd	1 P. M.	3rd	1 P. M.
Payment of Telegraphic money orders—Week-days.	6 A. M. to 6 P. M.		6 A. M. to 6 P. M.	
Do. do. do. Sundays	7 A. M. ,, 10 A. M.		7 A. M. ,, 10 A. M.	
	4 P. M. ,, 6 P. M.		4 P. M. ,, 6 P. M.	

LATEST HOURS OF POSTING FOR PLACES NAMED BELOW (LOCAL TIME).

7 P. M.	6 P. M.	6 P. M.	6 P. M.	3-30 P. M.	1-30 P. M.	1 P. M.	11 A. M.	11 A. M.	11 A. M.	7-20 A. M.	6-50 A. M.	6-15 A. M.	6 A. M.	6 A. M.	5 A. M.
Bhusaval and places between Bombay and Bhusaval.	(D) Poona, places between Bombay & Poona, and the Ahmednagar, Sholapur and Bijapur Districts, Madras and Southern India.	(C) Nasik, Khandesh, Central Provinces and Berar, Northern India, Calcutta and Bengal.	(B) Gujarat, Ahmedabad, Cutch, Kathiawar and Rajputana.	Bandra, Dadar, Dharavi, Siwri and Warli.	Surat and places between Bombay and Surat.	(A) The Deccan, and the Belgaum, Dharwar and Kanara Districts, and Goa, and (DURING THE MONSOON) Ratnagiri, Rajapur, Devgad, Malvan and Vengurla.	Uran, Panvel and Belapur (DURING THE MONSOON).	Alibag, Khed, Pen, Nagothna, Mahad, Ratnagiri, Rajapur, Devgad, Malvan, Vengurla and Goa (DURING THE FAIR SEASON).	Bandra, Dadar, Warli, Siwri and Dharavi.	Ahmedabad and places between Bombay and Ahmedabad.	Nasik and Khandesh Districts, Ahmednagar, Central Provinces, Berar, Calcutta, Bengal and Burma.	Poona and places between Bombay and Poona.	Alibag, Khed, Dapoli, Chiplun, Guhagar, Pen, Nagothna and Mahad (DURING THE MONSOON).	Alibag, Khed, Dapoli, Chiplun, Guhagar, Uran, Panvel and Belapur (DURING THE FAIR SEASON).	Bandra, Dadar, Warli, Siwri, Dharavi, and Andheri.

NOTE.—Registered letters for B. C. & D. 6 p.m.

LATE FEE CORRESPONDENCE.

Mails for	Post Offices.	Days.	Latest posting with ½ anna fee.	
			Ordinary correspondence.	Registered articles.
A.—Southern Mahratta Country ...	Victoria Terminus & Byculla Ry. Stn.	Week days ...	1 P. M. to 1-50 P.M.	1 P. M. to 1-30 P.M.
		Sundays ...	1 P. M. to 1-50 P.M.	Nil
B.—Ahmedabad ...	Grant Road Ry. Stn.	Week days ...	5 P. M. to 9-15 P.M.	5 P. M. to 8-45 P.M.
		Sundays ...	4 P. M. to 9-15 P.M.	Nil
C.—Calcutta ...	Victoria Terminus & Byculla Ry. Stn.	Week days ...	5 P. M. to 8-20 P.M.	5 P. M. to 8 P. M.
		Sundays ...	4 P. M. to 8-20 P.M.	Nil
D.—Madras ...	Victoria Terminus & Byculla Ry. Stn.	Week days ...	5 P. M. to 8-50 P.M.	5 P. M. to 8 P. M.
		Sundays ...	4 P. M. to 8-50 P.M.	Nil

HOURS OF BUSINESS.

	From	To
References and enquiries attended to Registration ... Insurance ... Parcels received for despatch ... Certificate of posting granted ... Money Orders issued ... Savings Bank open for deposits and withdrawals British Postal Orders sold ... Telegraphic Money Orders issued.—Week-days ...	7 A. M.	6 P. M.
Do. do. do. —Sundays ...	7 A. M.	5 P. M.
Postage stamps, &c., sold.—Week-days ...	7 A. M.	6 P. M.
Do. do. —Sundays ...	10 A. M.	4 P. M.
Poste Restante open.—Week-days ...	7 A. M.	6 P. M.
Do. do. —Sundays ...	7 A. M. 4 P. M.	10 A. M. 6 P. M.
	7 A. M.	7 P. M.
	7 A. M. 4 P. M.	10 A. M. 6 P. M.
	7 A. M.	6 P. M.
	7 A. M. 2 P. M.	9 A. M. 4 P. M.

SCHEDULE OF POSTAGE RATES AND LIST OF COUNTRIES AND PLACES SERVED BY THE FOREIGN POST.

1. A schedule of Foreign postage rates is given on the next page. Attention is drawn to the notes regarding Prepayment and Registration and the countries to which post-cards can be sent.

2. Packets of printed papers and legal and commercial documents may not measure more than 18 inches in any one direction; but they may also be packed in the form of a roll not exceeding 28 inches in length and 4 inches in diameter. Packets of samples in the form of a roll may not exceed 6 inches in diameter and 12 inches in length; if packed in any other form, they may not exceed 12 inches in length by 8 inches in width and 4 inches in depth.

Note.—In the case of samples for the *United Kingdom* and the *British Australasian* and *South Africa*, the limits of size are 2 feet in length by 1 foot in width and 1 foot in depth.

3. Packets of printed papers and legal and commercial documents may not exceed 4lb. 6 oz. Packets of samples may not exceed 8 oz.

Note 1.—The limit of weight for all classes of packets addressed to the *United Kingdom* and the *British Colonies in South Africa*, and for packets and printed papers and legal and commercial documents addressed to the *British Australasian Colonies*.

Note 2.—The limits of weight is 12 annas for packets of samples addressed to the *British Australasian Colonies*, *Austria*, *Belgrime*, *Egypt*, *France*, *Hungary*, *Italy*, *Portugal and Roumania*.

4. The registration fee is two annas in all cases, and must, together with the postage, be prepaid in all cases of registration.

5. Acknowledgments can only be obtained for registered articles addressed to Union countries. The fee, two annas in all cases, must, together with the registration fee and postage, be prepaid.

6. Articles other than letters and post-cards must be prepaid at least partly in all cases where full prepayment is not compulsory, for cases where full prepayment is required.

7. A List of countries and places served by the Foreign Post with the routes generally used is given after the schedule of foreign postage rates. The places to which the Indian inland rates apply are distinguished by remarks in column 3 of the list; in all other cases the Union rates are applicable. The countries and places to which post-cards cannot be sent or registration is not available or prepayment is compulsory, are also distinguished by remarks in column 3 of the list.

8. Where the description of the route in column 2 of the list contains no mention of any particular Indian Office of despatch, the mails are forwarded *via* Bombay, or from Aden in the case of correspondence posted at Aden.

9. The name immediately following the word "through" in column 2 of the List is that of the country or office to which the mails are consigned by the Indian Post Office.

10. For further explanations, etc., and for information about the treatment as correspondence received from places abroad.

11. For information regarding Foreign parcels, see page 97.

SCHEDULE OF FOREIGN POSTAGE RATES.

COUNTRIES AND PLACES.	UNION RATES.								
	Letters.	Post-cards.		Printed Papers (including Newspapers & Books). Each packet.	Legal and Commercial Documents (Business Papers). Each packet.		Samples. Each Packet.	
See Notes 1 and 2 below regarding Prepayment and Registration and Note 3 regarding countries and places to which Post-cards can be sent.	Per ½ oz.	Single.	Reply.	Per 2 oz.	Not exceeding 10 oz.	Per 2 oz. additional.	Not exceeding 4 oz.	Per 2 oz. additional.
	As.	As.	As.	As.	As.	As.	As.	As.
Any part of the world, with the exception of the places mentioned below, by any route, and Ceylon by P. and O. or French Packet or by Private Vessel.	2½	1	2	½	2½	½	1	½
Ceylon by Indian Packet or by Land Post	Indian Inland rates from any Indian Post office except Zanzibar.							
Aden, Berbera, Bulhar, Harrar, Lahej, Makalla, Perim, Shehr and Zeyla								
French and Portuguese Possessions in India								
Indian offices in Turkish Arabia and the Persian Gulf and on the Mekran Coast....								

NOTE 1.—Prepayment is compulsory for correspondence addressed to the following Union places, *viz.*, places in Egypt beyond Wadi Halfa, Harrar, Lahej, Makalla and Shehr, and also for correspondence addressed to all Non-Union countries and places, with the exception of those against which the remark "Prepayment compulsory" does not appear in the List of countries and places served by the Foreign Post.

NOTE 2.—Registration is not available for correspondence addressed to the following Union places, *viz.*, places in Egypt beyond Wadi Halfa, places in Japan (other than Hiogo, Nagasaki and Yokohama), Harrar, Lahej, Makalla, Mocha, Shehr and Tadjoura: nor is registration available for correspondence addressed to Non-Union countries or places, with the exception of those against which the remark "No registration" does not appear in the List of countries and places served by the Foreign Post.

NOTE 3.—Post-cards can be sent to all Union countries and places 84 to 89 also to the Non-Union countries and places against which the remark "Post-cards can be sent" appears in the List of countries and places served by the Foreign Post, but not any other Non-Union countries or places.

INTRODUCTORY.

The term "Foreign Post" means the post maintained by land between the continent of India and foreign countries and the post maintained by sea, whether by contract steamer or private vessel, between the continent of India and other British possessions (with the exception of the post maintained by contract steamer with the Andamans, the Nicobar Islands and Burma), and between the continent of India and foreign countries (with the exception of the post maintained by contract steamers with Post Offices in the Persian Gulf and at Basrah and Bagdad).

It further includes the post maintained between the various ports of the continent of India, and between the continent of India and the Andamans, Nicobar Islands and Burma, by any line or vessel not under direct contract with the Government of India.

The "Universal Postal Union" has been established with a view to secure, as far as possible, uniformity in procedure and in rates of postage between the various countries of the world. The countries which have joined this Union are called "Union countries."

The following is a list of the countries and colonies which have up to the present, joined the "Universal Postal Union":—

Antigua.
* Argentine Republic.
Ascension.
Austria.
Bahamas.
Barbadoes.
Belgium.
Bermuda.
Bolivia.
Bosnia-Herzegovina.
* Brazil.
British East Africa.
British Guiana.
British Honduras.
* British New Guinea.
British North Borneo.
Bulgaria.
* Canada.
* Cape Colony (including British Bechuanaland.)
Ceylon.
Chili.
Columbia, U.S. of.
Congo, Independent State of.
Costa Rica.
Cyprus.
Danish Colonies.
Denmark.
Dominica.
Dominican Rupublic (San Domingo).
* Ecuador.
Egypt.
Falkland Islands.
* Fiji Islands.
France.
French Colonies.
Gambia.

Germany.
German Protectorates.
Gibraltar.
Gold Coast.
Greece.
Grenada.
Grenadines.
* Guatemala.
Hawaii.
Hayti.
Honduras, Republic of.
Hongkong.
Hungary.
India, British (including Aden and its dependencies, and all places outside British India, where there are Indian Post Offices.)
Italy.
Jamaica.
Japan.
Labuan.
Lagos.
Liberia.
Luxemburg.
Malta.
Mauritius and its dependencies.
* Mexico.
Montenegro.
Montserrat.
* Natal.
Netherlands.
Netherlands Colonies.
Nevis.
Newfoundland.
* New South Wales.
* New Zealand.
Nicaragua.
Norway.
* Orange Free State.
* Paraguay.
Persia.
* Peru.
Portugal.
Portuguese Colonies.
Queensland.
Roumania.
Russia.
St. Helena.
St. Kitts.
St. Lucia.
St. Vincent.
Salvador.
Sarawak.
Servia.
Seychelles.
Siam.
Sierra Leone.
* South African Republic
* South Australia.
Spain.
Spanish Colonies.
Straits Settlements.
Sweden.
Switzerland.
* Tasmania.
Tobago.
Trinidad.
Tunis.
Turkey.
Turk's Islands.
United Kingdom.
* United States of America.
Uruguay.
Venezuela.
* Victoria.
Virgin Isles.
* Western Australia.
Zanzibar (British Protectorate).

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* In the case of the loss (except by *vis major*) of a registered article orginating in any of the countries of the Postal Union (including British India) with the exception of those marked * and addressed to any other of the countries which are not so marked, an indemnity of 50 francs (Rs. 31-1as.) will be paid to the sender, or, at the request of the sender, to the addressee, by the Postal Administration to which the despatching office is subordinate. This indemnity will, however, be paid only for the loss of the registered article itself should this be satisfactorily proved, and not for, or in respect of, the loss of any of the contents of the article, and provided that the claim for indemnity is made within one year from the posting of the article.

LIST OF COUNTRIES AND PLACES SERVED BY THE FOREIGN POST.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
ABYSSINIA	Through Egypt.	Prepayment compulsory. No registration. Post-cards cannot be sent.
ADELAIDE, South Australia.....	*See* South Australia under Australasian Colonies.	
ADEN (Indian Post Office).....	*Via* Bombay.	Indian Inland rates of postage.
AFRICA, Spanish possessions on North Coast and on West Coast of Morocco.	*See* Spain.	
AFRICA, West Coast. *British Possessions*, viz. :— Gambia, Gold Coast, Lagos and Sierra Leone. *French Possessions*, viz. :— Senegal and Dependencies, French Congo. *Portuguese Possessions*, viz. :— Cape Verd and Dependencies, Bissau, Cacheu, St. Thomas, Prince's Island, Ajuda and Angola. *Spanish Possessions*, viz. :— Fernando Po, Annobon and Corisco in Gulf of Guinea.	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
German Protectorates, viz. :— The Cameroons, Togo, and a portion of South-West Africa (Great Namaqua, Damaras, and part of Ovambo).	*Via* Brindisi, through Germany. Additional route from Aden only— Through French Packet Agent.	
AFRICA, West Coast.		
Niger Coast Protectorate (British)	*See* Niger Coast Protectorate.	
Native Possessions (except Liberia), viz. :— Akassa, Asaba Niger Territory, Wydah, etc.	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	Prepayment compulsory. No registration. Post-cards cannot be sent.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
ALEXANDRIA	*See* Egypt.	
ALGERIA (French.)	*See* France.	
ALPES MARITIMES AND VAR, France.	*Via* Brindisi, through Italy. Additional route from Aden only— Through French Packet Agent.	
AMIRANTE ISLANDS	*See* Seychelles.	
ANDORRA REPUBLIC	*See* Spain.	
ANNAM	*See* French Colonies in Indo-China	
ANTIGUA	*See* West Indies (British.)	
ARGENTINE REPUBLIC, South America. 1 (Including Staten Island and portions of Patagonia and Tierra del Fuego.)	*Via* Brindisi, through United Kingdom Additional route from Aden only— By French Packet.	
ARMENIA	*See* Turkey.	
ASCENSION (British)	*Via* Brindisi, through United Kingdom.	
ASIA MINOR (Turkey)	Through Egypt. Additional route from Aden only – Through French Packet Agent.	
ASMARA, Red Sea (Italian Office).	*See* Eritrea.	
ASSAB, Red Sea (Italian Office)	*See* Eritrea.	
AUSTRALASIAN COLONIES (British), *viz.* :—		
British New Guinea, Fiji Islands, New South Wales, New Zealand, Queensland, South Australia, Tasmania, Victoria and Western Australia.	*Via* Calcutta or Bombay (or from Aden and Adelaide). *Via* Tuticorin through Colombo. Additional route from Bombay— Through French Packet Agent. Additional route from Aden only— By German packet.	Maximum weight for packets of printed papers, legal and commercial documents is 5 lbs. and for packets of samples 12 ounces.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
AUSTRIA (including the Principality of Lichtenstein and Hungary).	*Via* Trieste. Additional route from Aden only— Through French Packet Agent.	Maximum weight for packets of samples is 12 ounces.
AZORES (Portuguese)	*See* Portugal.	
BAGDAD, Turkey in Asia. (Indian Post Office.)	*Via* Bombay and Karachi.	Indian Inland rates of postage.
BAGOMOYO, German East Africa.	*See* German East Africa.	
BAHAMAS	*See* West Indies (British).	
BAHRAIN, Persian Gulf. (Indian Post Office.)	*Via* Bombay and Karachi.	Indian Inland rates of postage.
BALEARIC Islands. (Spanish.)	*See* Spain.	
BANCA, Archipelago of (Dutch)	*See* Netherlands-India.	
BANGKOK	*See* Siam.	
BARBADOES	*See* West Indies (British).	
BASUTOLAND	*See* Cape Colony.	
BATAVIA, Java (Dutch)	*See* Netherlands-India.	
BECHUANALAND, South Africa (British).	*See* Cape Colony.	
BECHANALAND PROTECTORATE.	*See* Rhodesia.	
BELGIUM	*Via* Brindisi, through Switzerland. Additional route from Aden only— Through French Packet Agent.	Maximum weight for packets of samples is 12 ounces.
BERBERA, including Bulhar (Gulf of Aden).	*Via* Aden.	Indian Inland rate of postage.
BERMUDA (British)	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
BILLITON (Dutch)	*See* Netherlands-India.	
BIOUW, Archipelago of (Dutch)	*See* Netherlands-India.	
BOKHARA	*See* Russia.	
BOLIVIA, South America	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
BONAIRE	*See* West Indies (Dutch)	
BORNEO (British)	*See* British North Borneo.	
BORNEO (Dutch)	*See* Netherlands-India.	
BOSNIA-HERZEGOVINA	*Via* Brindisi, through Austria.	
	Additional route from Aden only— Through French Packet Agent.	
BOURBON	*See* Reunion.	
BOWEN, Queensland	*See* Queensland under Australasian Colonies	
BRAZIL, South America	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
BRISBANE, Queensland	*See* Queensland under Australasian Colonies.	
BRITISH CENTRAL AFRICA (including British Nyassaland, Lake Moero, Tanganyika, and Upper Zambesi).	*Via* Aden and Zanzibar. From Bombay — By private vessel.	Prepayment compulsory. Post-cards can be sent.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.		ROUTES.	REMARKS.
BRITISH EAST AFRICA,		*Via* Aden. From Bombay— By private vessel.	
BRITISH COLUMBIA, Canada		*See* Canada.	
BRITISH NORTH BORNEO,.....		*Via* Bombay (or from Aden), through Singapore. *Via* Bombay through Singapore by steamers of the Japanese M.S.S. Company. *Via* Calcutta by Indian Packet (Opium Steamer), through Singapore. *Via* Calcutta, Bombay or Madras (or from Aden) by French Packet, through Singapore. *Via* Negapatam, through Singapore. *Via* Tuticorin, through Colombo. Additional route from Aden only— By German Packet, through Singapore.	
BUCHAREST.....		*See* Roumania.	
BUENOS AYRES.....		*See* Argentine Republic.	
BULGARIA.....		Through Egypt. Additional route from Aden only— Through French Packet Agency.	
BULHAR.....		*See* Berbera.	
BUNDER ABBAS, Persian Gulf	Indian Post Offices.	*Via* Bombay and Karachi.	Indian Inland rate of postage.
BUSHIRE, Persian Gulf			
BUSSORAH OR BUSRAH, Turkish Arabia.....			

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
CABUL*	*Via* Peshawar.	
CAIRO	*See* Egypt.	
CALIFORNIA, North America	*See* United States of America.	
CAMBODIA	*See* French Colonies in Indo-China.	
CAMEROONS	*See* Africa, West Coast (German Protectorates).	
CANADA, Dominion of (British). [Including the Provinces of British Columbia, Manitoba, New Brunswick, Nova Scotia, Ontario, Prince Edward Island, Quebec and the North-west territories of Canada].	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
CANARY ISLANDS (Spanish).	*See* Spain.	
CANDAHAR†	*Via* Quetta and Chaman.	
CANDIA, Crete	*See* Asia Minor.	
CAPE VERD and its Dependencies (Portuguese).	*See* Africa, West Coast (Portuguese Possessions).	

* Letters from Cabul must be prepaid with Indian postage at the ordinary rates, and should be addressed to the care of some agent at Peshawar, who should be instructed to pay the postage charged by the Amir of Cabul on correspondence passing through his territory. The post leaves Peshawar twice a week for Cabul, and occupies about two and half days in transit.

† Letters for Candahar must be prepaid with Indian postage at ordinary rates, and are sent *via* Chaman: such letters are subject to additional postage charged by the Amir of Cabul on correspondence passing through his territory. Letters for Candahar cannot be registered.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
CAPE COLONY (British). [Including Port Elizabeth, Basutoland, Griqualand East, Griqualand West, Namaqualand (Little), Pondoland, Tembuland, Transkei and Walfish Bay.]	*Via* Brindisi through United Kingdom, *Via* Aden and Zanzibar. *Via* Tuticorin, Colombo, and Mauritius. From Bombay and Calcutta— By Private Vessel.	Post-cards cannot be sent. Maximum weight for packets of printed papers, legal and commercial documents and samples is 5 lbs., and maximum size for samples is 2×1 ×1 feet.
CAROLINA ISLANDS, Oceania (Spanish).	*See* Phillippine Islands.	
CELEBES (Dutch)	*See* Netherlands-India.	
CEYLON* (British).....	By Land Post, *via* Point Calimere, through Kankesanturai (daily). By Indian Packet, *via* Tuticorin, through Colombo (daily except on Sundays.) *Via* Calcutta, Madras, or Bombay (or from Aden), through Colombo. (By P. & O. Co.) *Via* Calcutta or Madras (or from Aden) by French Packet, through Colombo. By Private Vessel. Additional route from Aden only— By German Packet.	Indian inland rates of postage are applicable to correspondence sent by *Land Post* or by *Indian Packet*. The acknowledgment fee is one anna by whatever route registered correspondence is sent.
CHANDERNAGORE, French India (Indian Post Office).	.....	Indian inland rates of postage.
CHIENGMAI, Siam	*See* Siam.	
CHILI, South America (Including Tarapaca, Arica and Tacna).	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	

* Value-payable articles may be sent to Ceylon under the ordinary rules and at inland rates, but the amount to be recovered must not exceed Rs. 150. Value-payable parcels for Ceylon are also subject to the general rules of the foreign parcel post and the special conditions which apply to parcels for Ceylon.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
CHINA.	*Via* Bombay (or from Aden), through Hong-Kong.	For other places in China, the same routes, rates, and conditions are applicable as for the British and Japanese Offices, except that registration does not extend beyond the Post Office nearest to destination.
Hong-Kong (British) and Macao (Portuguese).	*Via* Bombay through Hong-Kong by Steamers of the Japanese M. S. S. Company.	
British Post Offices at Amoy, Canton, Foochow, Hankow, Kiung Chow (or Hoihow), Ningpo, Shanghai, and Swatow.	*Via* Calcutta, Bombay or Madras (or from Aden), by French Packet, through Hong-Kong.	
French Post Offices at Shanghai and Tientsin.	*Via* Tuticorin and Colombo.	
German Post Offices at Shanghai and Tientsin.	*Via* Negapatam through Singapore. By Private Vessel.	
Japanese Post Offices at Chefoo, Chinkiang, Newchwang, Kiu-Kiang, Fusampo and Tinsen (Corea).	Additional route from Aden only— By German Packet.	
COCHIN CHINA	*See* French Colonies in Indo-China.	
COLUMBIA	*See* United States of Columbia.	
COMORO ISLES	*See* Mayotte and Dependencies.	
CONGO (Independent Africa State of)	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
COOK ISLANDS (Federated)	Through New Zealand.	Post-cards can be sent.
CORISCO, Gulf of Guinea	*See* Africa, West Coast (Spanish Possessions).	
CORSICA (French)	*See* France.	
COSTA RICA, Central America	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
CUBA	*See* West Indies (Spanish).	
CURACOA	*See* West Indies (Dutch).	
CYPRUS (British)	Through Egypt.	
	Additional route from Aden only— Through French Packet Agent.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
DAMAN, Portuguese India	.....	Indian inland rates of postage.
DAR-ES-SALAAM, German East Africa.	*See* German East Africa.	
DELAGOA BAY	*Via* Aden and Zanzibar. *Via* Tuticorin, Colombo and Mauritius. From Bombay— By private vessel.	
DEMERARA, British Guiana	*See* Guiana.	
DENMARK (including Iceland and Faroe Islands).	*Via* Brindisi, through Germany. Additional route from Aden only— Through French Packet Agent.	
DIU, Portuguese India	.....	Indian inland rates of postage.
DJIBOUTI, East Coast of Africa (French).	*Via* Aden.	
DOMINICA	*See* West Indies (British).	
DOMINICAN REPUBLIC	*See* San Domingo.	
DUTCH EAST INDIES	*See* Netherlands-India.	
ECUADOR, South America	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
EGYPT	*Via* Suez by British Packet. Additional route from Aden only— Through French Packet Agent.	Maximum weight for packets of samples is 12 ounces. Letters addressed to places beyond Wadi Halfa cannot be registered or sent unpaid.
ENGLAND	*See* United Kingdom.	
ERITREA, Italian Colony in Red Sea (including Asmara, Assab, Keren and Massowa.)	*Via* Aden.	
FALKLAND ISLANDS, South Atlantic (British).	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
FAROE ISLANDS	*See* Denmark.	
FERNANDO PO, Gulf of Guinea	*See* Africa, West Coast (Spanish Possessions)	
FIJI ISLANDS	*See* Australasian Colonies.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
FINLAND—Grand Duchy of	*See* Russia.	
FORMOSA (including the Pescadores).	*See* Japan.	
FRANCE* (including Algeria and the Principality of Monaco).	*Via* Brindisi & Modane.	Maximum weight for packets or samples is 12 ounces.
	Additional route from Aden only— Through French Packet Agent.	
FRENCH COLONIES IN INDO-CHINA, *viz.*:—	*Via* Bombay (or from Aden).	
Annam, Cambodia, Tonquin and Cochin China.	*Via* Calcutta, Bombay or Madras (or from Aden) by French Packet.	
	Via Negapatam.	
	Via Tuticorin, through Colombo.	
	Additional route from Aden only— By German Packet.	
FRENCH COLONIES IN OCEANIA, *viz.*:—	*Via* Tuticorin through Colombo.	
Marquesas Islands, Tahiti, and the Archipelago under French Protectorate. New Caledonia Dependencies.	Additional route from Aden only— Through French Packet Agent.	
	Via Bombay by French Packet.	
	Via Brindisi, through France, if specially marked for transmission *via* Europe or *via* America.	
FRIENDLY ISLANDS.....	Through New Zealand.	Post-cards can be sent.
GAMBIA	*See* Africa, West Coast (British Possessions).	
GERMANY (including Heligoland).	*Via* Brindisi.	
	Additional route from Aden only— Through French Packet Agent.	
GERMAN EAST AFRICA	*Via* Aden and Zanzibar.	
	From Bombay— By private vessel.	
GIBRALTAR and British Postal Agencies in Morocco (Casablanca, Laraichi, Mazagan, Mogador, Rabat, Safi and Tangier).	By British Packet.	

* *Note.*—Engravings, prints, lithographs, drawings and chromos printed in black or in colour, and, whether varnished or not (with the exception of photographs), are liable to customs duty in France, and may not be sent to that country through the post. This prohibition does not, however, extend to the despatch of such articles in very small quantities as specimens or as mere samples of merchandise in the proper sense of the term.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
GOA, Portuguese India	.....	Indian inland rates of postage.
GOLD COAST	*See* Africa, West Coast (British Possessions)	
GREAT BRITAIN	*See* United Kingdom.	
GREAT COMORO.....	*See* Mayotte and Dependencies.	
GREECE	Through Egypt.	
	Additional route from Aden only— Through French Packet Agent.	
GREENLAND (Danish).....	*Via* Brindisi, through Germany.	
	Additional route from Aden only— Through French Packet Agent.	
GRENADA	*See* West Indies (British).	
GRIQUALAND (East)	*See* Cape Colony.	
GRIQUALAND (West)	*See* Cape Colony.	
GUADALOUPE and its Dependencies.	*See* West Indies (French).	
GUADUR, Mekran Coast (Indian Post Office.)	*Via* Bombay and Karachi.	Indian inland rates of postage.
GUATEMALA, Central America.....	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
GUIANA (British and Dutch)	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
GUIANA (French)	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
HAIFONG (Tonquin)	*See* Tonquin under French Colonies in Asia.	
HAMADAN, Persia *	*Via* Bombay and Karachi.	

* Correspondence for Hamadan in Persia should be addressed to the care of some agent at Bagdad.

Correspondence for Harrar (Somali country) should be addressed to the care of an agent at Zeyla.

Correspondence for Makalla and Shehr (Gulf of Aden) should be addressed to the care of an agent at Aden.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
HANOI (Tonquin)	*See* Tonquin under French Colonies in Asia.	
HARRAR (Somali Country)*	*Via* Aden	Indian inland rates of postage. Prepayment compulsory. No registration.
HAWAII, Sandwich Islands	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
HAYTI	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
HIOGO	*See* Japan.	
HOBART, Tasmania	*See* Tasmania under Australasian Colonies.	
HODEIDA (including Gunferdah), Red Sea (Turkish Office).	*Via* Aden.	
HOLLAND	*See* Netherlands.	
HONDURAS, Central America (British and Foreign).	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
HONG KONG (British)	*See* China.	
HUNGARY	*See* Austria.	
IBO	*See* Mozambique.	
ICELAND	*See* Denmark.	
IONIAN ISLANDS	*Via* Brindisi.	

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COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
ITALY and SAN MARINO* (Republic).	*Via* Brindisi.	Maximum weight for packets of samples for Italy is 12 ounces.
JAMAICA	*See* West Indies (British).	
JAPAN	*Via* Bombay (or from Aden) through Hong-Kong.	Articles can be registered only to Hiogo, Nagasaki, Yokohama.
	Via Bombay through Hong-Kong and Kobe by steamers of the Japanese M. S. S. Company.	
	Via Calcutta by Indian Packet (Opium Steamer), through Hong-Kong.	
	Via Calcutta, Bombay or Madras (or from Aden) by French Packet, through Hong-Kong.	
	Via Tuticorin through Colombo.	
	Via Negapatam, through Singapore.	
	Additional route from Aden only— By German Packet, through Hong-Kong.	

* Current coin, gold or silver bullion, precious stones, jewellery or other precious articles, and articles liable to customs duty, may not be sent by the Foreign Post. Foreign lottery tickets are also prohibited by the Italian Government, and correspondence containing any of the articles mentioned above, or lottery tickets, is liable to confiscation in Italy.

Books (except those addressed to heads of Foreign Missions) imported into the United States of America are subject to duty, but they may, nevertheless, be forwarded by Foreign Post.

When books exceeding 100 francs in value are addressed to one and the same person in Uruguay they are liable to customs duty, but they may, nevertheless, be forwarded by Foreign Post.

Books and non-periodical publications which, on account of their number may be considered as not intended for the personal use of the addressees, but for sale, are liable to customs duty in the Republic of Columbia, and may not be sent by post.

Note 1.—Articles which are liable to customs duty on importation into the United Kingdom may, with the exception of tobacco, be sent to that country through the post in very small quantities as *bona-fide* samples of merchandise, the transmission to the United Kingdom (as letters or samples) of tobacco in any form (manufactured or unmanufactured) is strictly forbidden.

Note 2.—Engravings, prints, lithographs, drawings and chromos, printed in black or in colour, and whether varnished or not (with the exception of photographs), are liable to customs, duty in France, and may not be sent to that country through the post. This prohibition does not, however, extend to the despatch of such articles in very small quantities as specimens or as mere samples of merchandise in the proper sense of the term.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
JASK, Persian Gulf (Indian Post Office).	*Via* Bombay and Karachi.	Indian Inland rates of postage.
JAVA (Dutch)	*See* Netherlands-India.	
JEDDA (Red Sea Turkish Office)	Through Egypt.	
JERUSALEM, Syria	*See* Syria. [public.	
JOHANNESBURG	*See* South African Re-	
KASHGAR	*See* Turkistan (Eastern.)	
KEREN, Red Sea (Italian Office)	*See* Erithrea.	
KARIKAL, French India (Indian Post Office).	.....	Indian Inland rates of postage.
KILWA, German East Africa	*See* German East Africa	
KLEIN POPO (or Little Popo)	*See* Togo under Africa, West Coast (German Protectorates).	
KOBE	*See* Japan.	
KUSTENDJIE, Coast of Black Sea	*See* Bulgaria.	
LABUAN (British)	*Via* Bombay (or from Aden) through Singapore. *Via* Bombay through Singapore by steamer of the Japanese M. S. S. Company. *Via* Calcutta by Indian Packet (Opium Steamer) through Singapore. *Via* Calcutta, Bombay or Madras (or from Aden) by French Packet, through Singapore. *Via* Negapatam, through Singapore. *Via* Tuticorin, through Colombo. Additional route from Aden only— By German Packet, through Singapore.	
LAGOS, Turkey in Europe (South Coast).	*See* Turkey.	
LAGOS, Africa	*See* Africa, West Coast (British Possessions)	
LAHEJ (near Aden)	*Via* Aden	Indian Inland rates of postage. Prepayment compulsory. No registration.
LAMU, British East Africa	*See* British East Africa	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
LARNAKA, Cyprus	*See* Cyprus.	
LAROOT	*See* Straits Settlements.	
LICHTENSTEIN, Principality of	*See* Austria.	
LIBERIA, Republic of—Upper Guinea.	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only—	
	By French Packet.	
LINDI, German East Africa	*See* German East Africa	
LINGA, Persian Gulf (Indian Post Office.)	*Via* Bombay and Karachi.	Indian Inland rates of postage.
LUXEMBURG	*Via* Brindisi, through Switzerland.	
	Additional route from Aden only—	
	Through French Packet Agent.	
LUZON	*See* Phillippine Islands.	
MACAO (Portuguese)	*See* China.	
MADEIRA, (Portuguese)	*Via* Brindisi, through France.	The transmission of packets of samples is temporarily prohibited.
	Additional route from Aden only—	
	Through French Packet Agent.	
MADURA (Dutch)	*See* Netherlands-India.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
MAHOMMERAH, Persian Gulf (Indian Post Office).	*Via* Bombay and Karachi.	Indian Inland rates of postage.
MAHE, French India (Indian Post Office).	.....	Do.
MAHE (Seychelles).....	*See* Seychelles.	
MAJORCA, Balearic Islands (Spanish).	*See* Spain.	
MAJUNGA	*See* Madagascar (French).	
MAKALLA* (Gulf of Aden).....	*Via* Aden and from Aden by private vessel.	Indian Inland rates of postage. Prepayment compulsory. No registration.
MALACCA (British).....	*See* Straits Settlements	
MALTA (British).....	By British Packet.	
MANILLA (Luzon)	*See* Phillippine Islands.	
MANITOBA, Canada	*See* Canada.	
MARIANNE ISLANDS, Oceania (Spanish).	*See* Phillippine Islands.	
MARQUESAS ISLANDS.....	*See* French Colonies in Oceania.	
MARSHALL ISLANDS, Micronesia (German Protectorate).	Through Singapore (*See* Straits Settlements).	
MARTINIQUE	*See* West Indies (French).	
MASHONALAND	*See* Rhodesia.	
MASSOWA, Red Sea (Italian Office).	*See* Eritrea.	
MAURITIUS (British), including Seychelles, Rodrigues.	*Via* Bombay to Aden and thence by French Packet. *Via* Tuticorin to Colombo by the B. I. S. N. Co.'s Steamers. By private vessel. Additional route from Aden only— By French Packet.	

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COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
MAYOTTE and Dependencies (French).	*Via* Bombay to Aden (or from Aden) and thence by French Packet.	
MECCA, Red Sea (Turkish Office).	Through Egypt.	
MELBOURNE, Victoria	*See* Victoria under Australasian Colonies.	
MEXICO, North America	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
MINORCA, Balearic Islands (Spanish).	*See* Spain.	
MIQUELON and St. PIERRE. (French Colonies in America).	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
MOCHA, Red Sea (Turkish Office).	*Via* Aden	
MOLDAVIA.....	*See* Roumania.	
MOLUCCAS, Archipelago of (Dutch).	*See* Netherlands-India.	
MOMBASA, British East Africa ...	*See* British East Africa.	
MONACO, Principality of—	*See* France.	
MONTENEGRO.....	*Via* Brindisi, through Italy. Additional route from Aden only— Through French Packet Agent.	
MONTEVIDEO	*See* Uruguay.	
MONTSERRAT	*See* West Indies (British).	
MOROCCO. Spanish Post Offices on the West Coast.	*See* Spain.	
British Post Offices	*See* Tangier.	
MOZAMBIQUE (Portuguese), including Ibo.	*Via* Aden and Zanzibar. From Bombay— By private vessel.	
MUSCAT, Arabia (Indian Post Office).	*Via* Bombay and Karachi.	Indian Inland rates of postage.
NAGASAKI	*See* Japan.	
NAMAQUALAND (Little)	*See* Cape Colony.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
NASOVA, Fiji Islands	*See* Fiji Islands under Australasian Colonies.	
NATAL (including Zululand), South Africa (British).	*Via* Aden and Zanzibar. *Via* Bombay and Delagoa Bay. *Via* Tuticorin, Colombo, and Mauritius. From Bombay, Calcutta, and Madras— By private vessel.	Same limits of size and weight for packets as to Cape Colony. (*See* Cape Colony).
NETHERLANDS (Holland).....	*Via* Brindisi, through Switzerland. Additional route from Aden only— Through French Packet Agent.	
NETHERLANDS—INDIA (or Dutch East Indies), including Archipelago of Banca, Billiton, Borneo, Archipelago of Biouw, Celebes, Madura, Java, Archipelago of Moluccas, New Guinea (Papua), Sumatra and Islands of Sunda.	*Via* Bombay (or from Aden) through Singapore. *Via* Bombay through Singapore by steamers of the Japanese M. S. S. Company. *Via* Calcutta by Indian Packet (Opium Steamer), through Singapore. *Via* Calcutta, Bombay or Madras (or from Aden) by French Packet. *Via* Negapatam, through Singapore. *Via* Tuticorin, through Colombo.	
NEVIS	*See* West Indies (British).	
NEW BRUNSWICK, Canada	*See* Canada.	
NEW CALEDONIA and Dependencies.	*See* New Caledonia under French Colonies in Oceania.	
NEW FOUNDLAND (British).....	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
NEW GUINEA (British)	*See* Australasian Colonies.	
NEW GUINEA (German Protectorate).	Through Singapore (*See* Straits Settlements).	
NEW GUINEA—PAPUA (Dutch)	*See* Netherlands-India	
NEW SOUTH WALES	*See* Australasian Colonies.	
NEW ZEALAND	*See* Australasian Colonies.	
NICARAGUA, Central America	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
NIGER COAST PROTECTORATE (British), *viz.*, Benin, Bonny, Brass, Calabar (New and Old), Opobo, and Warree or Forcados	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	Post-cards can be sent.
NORFOLK ISLAND	Through New Zealand	Post-cards can be sent.
NORTH-WEST TERRITORIES OF CANADA.	*See* Canada.	
NORWAY	*Via* Brindisi, through Germany. Additional route from Aden only— Through French Packet Agent.	
NOSSIBE (French)	*See* Madagascar (French).	
NOVA SCOTIA, Canada	*See* Canada.	
NYASSALAND	*See* British Central Africa.	
OBOCK, East Coast of Africa (French).	*Via* Djibouti.	
ONTARIO, Canada	*See* Canada.	
ORANGE FREE STATE, South Africa.	*See* Natal.	Post-cards cannot be sent.
ORUBA	*See* West Indies (Dutch).	
OTYIMBINGUE, S. W. Africa	*See* Africa, West Coast (German Protectorates).	
PANGANI, German East Africa	*See* German East Africa.	
PARAGUAY, South America	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
PATAGONIA AND TIERRA DEL FUEGO. (Western portion belongs to Chili, and Eastern portion, including Staten Island, to the Argentine Republic).	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
PENANG (British)	*See* Straits Settlements	
PERAK	*See* Straits Settlements	
PERIM	*Via* Aden	Indian Inland rates of postage.
PERSIA	*Via* Bombay and Karachi.	Correspondence from India for Indian Post Offices in the Persian Gulf and Turkish Arabia, *viz.*, Bagdad and Bussorah (Turkey in Asia). Bahrain, Bunder Abbas, Bushire, Jask and Linga (Persian Gulf), Guadur (Mekran, Baluchistan), Muscat (Arabia), is conveyed at ordinary Indian inland rates.
PERTH, Western Australia	*See* Western Australia under Australasian Colonies.	
PERU, South America	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
PHILIPPINE ISLANDS (Spanish), [including Amar, Luzon, Mindanao, Palawan, and Panay, Carolina Islands, and Marianne Islands.]	*Via* Bombay (or from Aden), through Singapore. *Via* Bombay through Singapore by steamers of the Japanese M.S.S. Company. *Via* Calcutta by Indian Packet (Opium Steamer), through Singapore. *Via* Calcutta, Bombay or Madras (or from Aden) by French Packet, through Singapore *Via* Negapatam, through Singapore. *Via* Tuticorin, through Colombo.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
PONDICHERRY, French India (Indian Post Office).	.....	Indian inland rates of postage.
PORT ELIZABETH	*See* Cape Colony.	
PONDOLAND	*See* Cape Colony.	
PORTO RICO (or Puerto Rico)	*See* West Indies (Spanish).	
PORTUGAL, (including Azores) ...	*Via* Brindisi, through France. Additional route from Aden only— Through French Packet Agent.	Maximum weight for packets of samples is 12 ounces. The transmission of packets of samples is temporarily prohibited.
PRETORIA.	*See* South African Republic.	
PRINCE EDWARD ISLAND, Canada.	*See* Canada.	
PRINCE'S ISLAND, Guinea, Africa.	*See* Africa, West Coast (Portuguese possessions).	
QUEBEC, Canada	*See* Canada.	
QUEENSLAND, Australia	*See* Australasian Colonies.	
RAHENG, SIAM	*See* Siam.	
RAROTONGA.....	*See* Cook Islands.	
REUNION (or Bourbon)	*Via* Bombay to Aden (or from Aden) and thence by French Packet. *Via* Tuticorin, Colombo and Mauritius.	
RHODESIA (including Mashonaland, Matabeleland, South Africa (British)	*See* Natal	Post-cards can be sent. Same limits of weight and size for packets as to Cape Colony (*See* Cape Colony.)
RIO DE JANEIRO	*See* Brazil.	
RODRIGUES	*See* Mauritius.	
ROUMANIA, Moldavia and Wallachia.	*Via* Brindisi, through Italy. Additional route from Aden only— Through French Packet Agent.	Maximum weight for packets of sample is 12 ounces.
RUSSIA,* including Finland.....	*Via* Brindisi, through Austria. Additional route from Aden only— Through French Packet Agent.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
SAADANI, German East Africa	*See* German East Africa.	
SABA	*See* West Indies (Dutch).	
SAIGON, Cochin China (French)	*See* French Colonies in Indo-China.	
ST. CHRISTOPHER, or St. Kitts	*See* West Indies (British).	
ST. CROIX (or Santa Cruz)	*See* West Indies (Danish).	
ST. EUSTATIUS	*See* West Indies (Dutch).	
ST. HELENA (British)	*Via* Brindisi, through United Kingdom.	
ST. JEAN	*See* West Indies (Danish).	
ST. KITTS (or St. Christopher)	*See* West Indies (British).	
ST. LUCIA	*See* West Indies (British).	
ST. MARIE, Madagascar	*See* Madagascar (French).	
ST. MARTIN	*See* West Indies (Dutch).	
ST. PIERRE	*See* Miquelon.	
ST. THOMAS, Guinea, Africa	*See* Africa, West Coast (Portuguese Possessions).	
ST. THOMAS	*See* West Indies (Danish).	
ST. VINCENT	*See* West Indies (British).	
ST. VINCENT (Cape Verd,)	*See* Africa, West Coast (Portuguese possessions).	
SALVADOR, Republic of—Central America.	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	

* The general rule to be followed in addressing correspondence to be transmitted by the Foreign Post is that the name of the post-town, and also of the country, must be given, the name of the country being written at bottom of the address.

To
A. B.,
Cambridge,
ENGLAND.

To
A. B.,
Vevey,
SWITZERLAND.

Note.—In the case of correspondence for Russia, the name of the province or government in which a post-town is situated must be given in addition to the name of the post-town and country. Unless this rule is complied with, the Russian Post Office declines to undertake the delivery of correspondence

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
SAMOA (Apia)—German Post Office.	Through New South Wales.	
SAN DOMINGO	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
SAN MARINO, Republic of—	*See* Italy.	
SANA, Red Sea (Turkish Office)	*Via* Aden.	
SANDWICH ISLANDS	*See* Hawaii.	
SARAWAK	*Via* Bombay (or from Aden), through Singapore.	
	Via Calcutta by Indian Packet (Opium Steamer), through Singapore.	
	Via Bombay through Singapore by steamers of the Japanese M. S. S. Company.	
	Via Calcutta, Bombay or Madras (or from Aden) by French Packet, through Singapore	Post-cards cannot be sent.
	Via Negapatam, through Singapore.	
	Via Tuticorin, through Colombo.	
	Additional route from Aden only— By German Packet, through Singapore.	
SARDINIA	*See* Italy.	[sent.
SAVAGE ISLAND	Through New Zealand.	Post-cards can be No registration.
SENEGAL and its Dependencies	*See* Africa, West Coast (French possessions)	
SERVIA	*Via* Brindisi, through Italy. Additional route from Aden only— Through French Packet Agent.	
SEYCHELLES (British)	*Via* Bombay, by B. I. S. N. Co.'s non-contract packet.	

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SHEHR * (Gulf of Aden).....	*Via* Bombay and Aden and from Aden by private vessel	Indian Inland rate of postage. Prepayment compulsory. No registration.
SHEIKH UTHMAN (Near Aden) ...	*See* Aden.	
SHIRAZ, Persia	*See* Persia.	
SIAM, Chiengmai (or Zimme), Lacon, Lanpoon, Luang Prabang, Mehongson, Paklai and Raheng.	*Via* Kawkareik and Myawaddy in Burma.	
Other parts of Siam	*Via* Bombay (or from Aden), through Singapore.	
	Via Bombay through Singapore by steamers of the Japanese M. S. S. Company.	
	Via Calcutta by Indian Packet (Opium Steamer), through Singapore.	
	Via Calcutta, Bombay or Madras (or from Aden) by French Packet, through Singapore.	
	Via Negapatam, through Singapore.	
	Via Tuticorin, through Colombo.	
	Additional route from Aden only— By German Packet, through Singapore.	
SICILY.....	*See* Italy.	
SIERRA LEONE	*See* Africa, West Coast (British Possessions)..	
SINGAPORE (British)	*See* Straits Settlements	
SOMALI COAST (Gulf of Aden) ...	*See* Barbera, Zaila and Harrar.	
SOUTH AFRICAN REPUBLIC. (Transvaal).	*Via* Aden & Zanzibar.	
	Via Bombay and Delagoa Bay.	
	Via Tuticorin, Colombo and Mauritius.	
	From Calcutta by private vessels.	

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COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
SOUTH AUSTRALIA	*See* Australasian Colonies.	
SPAIN, including Spanish Possessions on North Coast of Africa and West Coast of Morocco, Balearic Islands, Canary Islands and Republic of Andorra.	*Via* Brindisi, through France. Additional route from Aden only— Through French Packet Agent.	
STATEN ISLAND, America	*See* Argentine Republic.	
STRAITS SETTLEMENTS (British)	*Via* Bombay (or from Aden), through Singapore or Penang. *Via* Bombay through Singapore by steamers of the Japanese M. S. S. Company. *Via* Calcutta by Indian Packet (Opium Steamer), through Singapore. *Via* Calcutta, Bombay or Madras (or from Aden) by French Packet, through Singapore. *Via* Negapatam, through Singapore. *Via* Tuticorin, through Colombo. By Private Vessel. Additional route from Aden only— By German Packet.	
SUAKIN (Red Sea)	*Via* Suez.	
SUMATRA (Dutch)	*See* Netherlands-India	
SUNDA, ISLANDS OF (Dutch)	*See* Netherlands-India	
SURINAM	*See* Guiana (Dutch).	
SWEDEN	*Via* Brindisi, through Germany. Additional route from Aden only— Through French Packet Agent.	
SWITZERLAND	*Via* Brindisi. Additional route from Aden only— Through French Packet Agent.	
SYDNEY, New South Wales	*See* New South Wales under Australasian Colonies.	
SYRIA, TURKEY	*See* Asia Minor.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
TADJOURA, Gulf of Aden (French).	*Via* Aden	No registration.
TAHITI	*See* French Colonies in Oceania.	
TAMATAVE	*See* Madagascar (French).	
TANGA, German East Africa	*See* German East Africa.	
TANGIER, Africa and British Postal Agencies in Morocco (Casabianca, Laraichi, Mazagan, Mogador, Rabat, Safi.)	*Via* Gibraltar.	
TASMANIA (or Van Diemen's Land)	*See* Australasian Colonies.	
TEHERAN, Persia	*See* Persia.	
TEMBULAND	*See* Cape Colony.	
TIERRA DEL FUEGO, South America.	*See* Patagonia.	
TIMOR, Oceania (Dutch and Portuguese).	*See* Netherlands-India.	
TOBAGO	*See* West Indies (British).	
TOGO	*See* Africa, West Coast, German Protectorates.	
TONQUIN	*See* French Colonies in Indo-China.	
TORTOLA	*See* West Indies (British).	
TRANSKEI	*See* Cape Colony.	
TRANSVAAL (South African Republic).	*See* South African Republic.	
TRINIDAD	*See* West Indies (British).	
TRIPOLI, Barbary	*Via* Brindisi, through Italy. Additional route from Aden only. Through French Packet Agent.	
TRIPOLI, Syria	*See* Syria.	
TUNIS, Barbary	*Via* Brindisi, through Italy. Additional route from Aden only. Through French Packet Agent.	

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
TURKEY—		
Turkey-in-Europe and Armenia.	*Via* Constantinople ...	There are British, Austrian, French, and Indian Post Offices at the following places in Turkey-in-Europe and Turkey-in-Asia :— *British Office* at Beyrout, Constantinople, and Smyrna. *Austrian Offices* at Adrianople, Antivari, Beyrout, Bourgas or Burghás, Caifa or Kaifa, Candia, Canea, Cavalla or Kavala, Chio (Tchesme), Constantinople, Dardanelles, Dede-Agatsch, Durazzo, Galipoli, Ineboli, Jaffa, Janina, Jerusalem, Lagos, Miltyene, Philippopolis, Piatra, Prevesa, Retimo, Rhodes Salonica, Samsoun, Santi-Quaranta, Scres, Smyrna, Trebizond and Valona. *French Offices* at Alexandretta, Beyrout, Dardanelles, Ineboli Jaffa, Lagos, Latakia, Mersina, Ordou, Rhodes, Rhodosto, Saloniac, Samsoun, Smyrna, Trebizond and Tripoli in Syria.
	Additional route from Aden only— Through French Packet Agent.	
Asia Minor, Seria and Candia.	Through Egypt.	
	Additional route from Aden only. Through French Packet Agent.	
The Hedzaj	*See* Jedda.	
Yemen	*See* Hodeida.	
Turkish Arabia (except Basrah and Bagdad,)*	*Via* Basrah or Bagdad.	

* Correspondence intended for despatch by private vessel should be marked as such by the sender, the name of the vessels being given if transmission by a particular vessel is desired. Correspondence not so marked may be forwarded by private vessel if there be no regular mail communication with the country of destination.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
TURKEY-IN-EUROPE AND ARMENIA—(*continued.*)		*Indian Offices* at Bagdad and Basrah (correspondence from India for these two offices is conveyed at Indian inland rates of postage.
TURKISTAN	*See* Russia.	
TURKISTAN (EASTERN), Kashgar and Yarkand.	*Via* Gilgit.	Indian inland rates of postage.
TURK'S ISLANDS	*See* West Indies (British).	Prepayment compulsory.
UGANDA.....	Through British East Africa.	An additional charge is made on delivery. Registration is incomplete, not extending beyond British East Africa
UNITED KINGDOM	*Via* Brindisi.....	Maximum weight for packets of printed papers, legal and commercial documents and samples for the United Kingdom is 5 lbs., and maximum size for samples is 2 × 1 × 1 feet.
	Additional route from Aden only— By French Packet.	
UNITED STATES OF AMERICA* ...	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	
UNITED STATES OF COLUMBIA*...	*Via* Brindisi, through United Kingdom.	
	Additional route from Aden only— By French Packet.	

* Current coin, gold or silver bullion, precious stones, jewellery and other precious articles, and articles liable to customs duty may not be sent by the Foreign Post. Foreign lottery tickets are also prohibited by the Italian Government, and correspondence containing any of the articles mentioned above, or lottery tickets, is liable to confiscation in Italy.

Books (except those addressed to heads of Foreign Missions) imported into the United States of America are subject to duty, but they nevertheless be forwarded by Foreign Post.

When books exceeding 100 francs in value are addressed to one and the same person in Uruguay they are liable to customs duty, but they may nevertheless be forwarded by Foreign Post.

Books and non-periodical publications which, on account of their number, may be considered as not intended for the personal use of the addressees, but for sale, are liable to customs duty in the Republic of Columbia, and may not be sent by post.

Note 1.—Articles which are liable to customs duty on importation into the United Kingdom may, with the exception of tobacco, be sent to that country through the post in very small quantities as *bona fide* samples of merchandise,

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
UNITED STATES OF VENEZUELA.	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
URUGUAY.....	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
VANCOUVER ISLAND, Canada.....	*See* Canada.	
VAN DIEMEN'S LAND (or Tasmania).	*See* Tasmania under Australasian Colonies.	
VENEZUELA, South America	*See* United States of Venezuela.	
VICTORIA, Australia	*See* Australasian Colonies.	
WALFISH BAY	*See* Cape Colony.	
WALLACHIA.....	*See* Roumania.	
WELLINGTON, New Zealand	*See* New Zealand under Australasian Colonies.	
WESTERN AUSTRALIA	*See* Australasian Colonies.	
WEST INDIES (British), *viz.* :— Antigua, Bahamas, Barbadoes, Dominica, Grenada, Grenadilles (or Grenadines), Jamaica, Montserrat, Nevis, St. Christopher *or* St. Kitts, St. Lucia, St. Vincent, Tobago, Trinidad, Turk's Islands, Virgin Isles (Tortola, etc.)	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	

the transmission to the United Kingdom (as letters or samples) of tobacco in any form (manufactured or unmanufactured), is strictly forbidden.

Note 2.—Engraving, prints, lithographs, drawings and chromos, printed in black or in colour, and whether varnished or not (with the exception of photographs), are liable to customs duty in France and may not be sent to that country through the post. This prohibition does not, however, extend to the despatch of such articles in very small quantities as specimens or as mere samples of merchandise in the proper sense of the term.

Note 3.—Printed articles of all kinds, with the exception of books, newspapers, periodical publications, maps or charts, music (printed or engraved), prints, and art engravings and lithographs, are liable to customs duty in Belgium, and may not be sent to that country through the post. This prohibition, however, does not extend to the despatch of such articles singly or in very small quantities as specimens.

COUNTRIES AND PLACES. Names underlined denote Non-Union Countries and Places.	ROUTES.	REMARKS.
WEST INDIES (Danish) *viz.* :—		
St. Croix or Santa Cruz, St. Jean and St. Thomas.	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
WEST INDIES (Dutch) *viz.* :—		
Bonaire, Curacoa, Oruba, Dutch portion of St. Martin, Saba and St. Eustatius.	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
WEST INDIES (French) *viz.* :—		
Guadaloupe and its dependencies and Martinique.	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
WEST INDIES (Spanish) *viz.* :—		
Cuba and Porto Rico	*Via* Brindisi, through United Kingdom. Additional route from Aden only— By French Packet.	
YANAM (or Yanaon),		
French India (Indian Post Office.)	.....	Indian inland rates of postage.
YARKAND.....	*See* Turkistan (Eastern)	
YOKOHAMA	*See* Japan.	
ZANZIBAR.....	*Via* Bombay to Aden and thence by British, French, German Packet. From Bombay— By private vessel.	
ZAILA (Somali Coast, Gulf of Aden).	*Via* Aden	Indian inland rates of postage.
ZIMME (or Chiengmai), Siam	*See* Siam.	
ZULULAND	*See* Natal.	

PRINTED PAPERS.

DEFINITION OF TERM PRINTED PAPERS.—"Printed papers" include newspapers and periodicals, books, pamphlets, music, visiting cards, address cards, proofs of printing with or without the manuscript relating thereto, papers impressed with prints in relief for the use of the blind, engraving, photographs, pictures, drawings, plans, maps, papers or cards embossed in plain relief, catalogues, prospectuses, announcements and notices of various kinds, whether printed, engraved, lithographed, or autographed, and in general all impressions or copies obtained on paper, parchment, or card-board, by means of printing, engraving, lithography, autography or any other mechanical process easy to recognise, except the copying-press and the Type-writer.

Stamps or forms of pre-payment, whether obliterated or not, and any printed matter representing a monetary value, are excluded from classification as "printed papers."

LEGAL AND COMMERCIAL DOCUMENTS.

DEFINITION OF TERM (BUSINESS) PAPERS.—"Legal and Commercial Papers" (business papers) include all deeds or documents, written or drawn wholly or partly by hand, which have not the character of *an actual and personal correspondence*, such as papers of legal procedure, deeds of all kinds drawn up by public functionaries, way-bills and bills of lading, invoices, the various documents of insurance companies, copies of, or extracts from private deeds written on stamped or unstamped paper, scores or sheets of manuscript, music, manuscripts of works forwarded separately, &c. They are also held to include such written articles intended for publication in newspapers as are not of the nature of a personal letter as well as written descriptions or hand-sketches of places which are sent for publication.

CORRESPONDENCE FOR TURKISH ARABIA.

SPECIAL RULES REGARDING CORRESPONDENCE FOR PLACES BETWEEN BUSRAH AND BUGDAD.—The Indian Government maintains Post Office at Busrah and Bagdad. It does not, however, undertake to deliver articles posted for Kot-el-Amarah, Amarah, or other Turkish towns between Bagdad and Busrah. Such articles, if posted, will be transferred to the Dead Letter Office for return to the senders.

ARTICLES NOT ALLOWED TO BE SENT BY FOREIGN POST.

DANGEROUS AND OFFENSIVE SUBSTANCES.—Explosive, dangerous, damaging, or offensive substances, such as gunpowder, matches, percussion caps, saltpetre, indigo, assafœtida, liquids, oils, fatty substances, dry powders, whether dyes or not, &c., and animals or insects, living or dead, may not be sent by the Foreign Post; or any article which, either from its own nature or by reason of insecure packing, may be likely to injure the contents of the mail bags or the persons of the mail officers.

FOREIGN PARCEL POST.

GENERAL RULES.

Parcels are received at any Indian Post Office for transmission to the countries named below :

Parcels may be sent to and received from the following countries or places :—

Africa, West Coast (*British*), *viz.*, Accra, Gambia, Lagos, Quittah, & Sierra Leone.

Algeria.

Antigua.

Argentine Republic.

Ascension.

Austria.

Azores.

Bahamas.

Barbadoes.

Basutoland.

Bechuanaland Protectorate.

Belgium.

Bermuda.

Beyrout.

Bosnia.

British Bechuanaland.

British Central Africa.

British East Africa.

British Guiana.

British Honduras.

ritish New Guinea.

Bulgaria.

Cameroons (including Little Pope and Lome).

Canada (including British Columbia and Vancouver's Island).

Cape Colony.

Cape Verd Islands.

Cayenne (French Guiana).

Ceylon.

Chili.

Cochin China.

Columbia (Republic of)

Congo Free State.

Constantinople.

Corsica.

Costa Rica.

Cyprus.

Denmark.

Dominica.

Dutch Guiana.

Egypt.

Erithrea (Red Sea).

Falkland Islands.

Fiji.

Finland.

France.

French Congo.

French West Indies (Guadaloupe and Martinique).

Germany.

German Protectorate in East Africa.

German New Guina.

German South-West Africa.

Gibraltar.

Greece.

Grenada.

Griqualand, East and West.

Hawaii (Sandwich Islands).

Herzegovina.

Holland (Netherlands).

Hongkong (including Macao and British Office in China).

Hungary.

Italy.

Jamaica.

Japan.

Labuan.

Leeward Islands.

Liberia.

Little Namaqualand.

Lord Howe.

Luxemburg.

Madagascar (French).

Maderia.

Malta.

Mashonaland.

Mauritius.

Mayotte.

Mexico.

Miquelon.

Montenegro.

Montserrat.

Morocco.

Namaqualand, Little.

Natal.

Nevis.

Newfoundland.

New South Wales, (Australia).

New Zealand.

Niger Coast Protectorate.

Norfolk Islands.

Norway.

Orange Free State.

Paraguay.

Persia.

Pondoland.

Portugal.

Portuguese West Africa.

Queensland (Australia).

Rhodesia.

Roumania.

St. Helena.

St. Kitts.

St. Lucia.

St. Pierre.

St. Vincent.

Salvador.

Sarawak.

Senegal.

Servia.

Seychelles.

Siam (Bankok) Chiengmai (Zimme), Packnampoh (Nakon Sawan) and Raheng.

Smyrna.

South Australia.

Spain.

Straits Settlements.

Sweden.

Switzerland.

Tahiti.

Tangier.

Tasmania.

Tembuland.

Tobago.

Tortola.

Transkei.

Transvaal (South African Republic).

Tripoli (Africa).

Tripoli (Italian office).

Tristan D'Acounha.

Trinidad.

Tunis.

Turkey.

Turk's Islands.

United K'ngdom (including the Channel Islands and Isle of Man).

Uruguay.

Victoria (Australia).

Walfish Bay.

West Indies (*Danish*).

West Indies (*Dutch*).

West Indies (*French*).

Zanzibar.

Prepayment is compulsory at the rates shown in the Foreign Parcel Post Schedule at the end of this Section. The postage must be paid by means of postage stamps affixed by the sender or his messenger either to the parcel itself or to an official label, obtainable free at the post office, pasted on the parcel. In the case of service parcels, service stamps must be used for this purpose.

Note.—Parcels may be sent to the United Kingdom and to countries served through the United Kingdom either by the sea route *via* Gibraltar or by the overland route across the Continent of Europe, the postage being higher by the latter than by the former route. The sender must specify clearly by which route the parcel is to be forwarded, by writing on the cover of the parcel or on the official label pasted to it either the words "*via* Gibraltar" or the word "Overland."

Every parcel must be accompanied by a customs declaration (in the *prescribed form*, which is obtainable *gratis* at every Post Office), bearing the *address* of the parcel to which it relates, and a declaration of its *contents* and *value*, as well as the signature and address of the sender. The contents should be stated in full detail, a separate description of each article, and its value, being given. The value must always be stated in *British sterling* money, except in the cases of the exchanges with Ceylon, British East Africa, Mauritius, Seychelles, and Zanzibar, in which cases the value must be stated in Indian money. When the contents of a parcel are liable to duty in the country of destination, an incorrect declaration of value renders the parcel liable to confiscation. Declarations written on any but the prescribed form cannot be accepted.

Note.—When filling up declarations, the use of the sign, "etc.," should be carefully avoided, as it is regarded with suspicion by the customs authorities.

A receipt will be given by the Post Office to the sender of a parcel.

Every parcel for transmission by the foreign parcel post must be packed with due regard to the nature of the contents and the length of the journey in a case, wrapper, or cover, fastened and sealed in a manner calculated to preserve the contents from loss or damage in the post and to prevent any one from tampering therewith without either breaking the seal or seals or leaving obvious traces of violation. The packing of a parcel must also be such as to prevent its contents from causing injury to other parcels.

A foreign parcel may not contain *another* parcel, or a letter, or other postal packet intended for delivery to a person other than the addressee of the first-named parcel. Nor may a foreign parcel contain opium, liquids (unless securely packed in proper cases), or any article which is not allowed to be sent by the inland parcel post by the prohibitions in clauses 88 and 90. Furthermore, a foreign parcel may not contain any article or substance specially prohibited from importation into the particular country or colony to which it is addressed: for particulars regarding articles thus specially prohibited, reference should be made to the Foreign Parcel Post Schedule at the end of this Section.

The transmission of the following articles by the Foreign parcel post is also temporarily prohibited:—

Used body linen, clothes, bedding and other personal effects; rags, including rags compressed by hydraulic pressure and transported in bales as merchandise; used sacking, carpets, and old embroidery; green and untanned hides and skins; animal refuse, claws, hoofs, horse hair, hair of animals generally, raw silk and wool; and human hair.

Parcels infringing any of the rules or conditions regarding prepayment, weight, size, or value, or containing forbidden articles or uninsured valuables for which insurance is compulsory will not be forwarded.

When complaints are made regarding delay in the arrival of parcels at their destination, or damage to their contents, the Post Office is always glad to make enquiries. Applications should be made at the Post Office at which the parcels were posted, and should be accompanied by the receipt granted at the time of posting. Parcels exceeding 11 lbs. in weight addressed to the United Kingdom are forwarded through the medium of the Peninsular and Oriental Steam Navigation Company, and senders are recommended to advise the addressees to apply direct (in cases of complaint) to the P. and O. S. N. Co., 122, Leadenhall Street, London, E.C.

Note.—In the case of parcels sent from India to the United Kingdom, or from the United Kingdom to India by the sea route *via* Gibraltar, the period of transit is something over a week longer than in the case of letters.

Except within the limits with reference to insured parcels, the Indian Post Office is not responsible for any loss or damage which may occur with respect to parcels despatched from India.

Import customs duty charged on a parcel must be paid before delivery. The Post Office will assist the addressed in enquiries as to any overcharge of duty; but it has no part in the assessment, and any claim for a refund should be made by the addressee to the customs authorities. The Post Office will, if desired, forward any such claim, free of charge, and pending the decision of the customs authorities, the parcel may, at the option of the addressee, be left in deposit at the office of delivery.

The foregoing rules govern the exchange of parcels with Foreign Countries generally: for information regarding rates of postage, conditions, and special rules concerning parcels exchanged with particular Countries, reference should be made to the Foreign Parcel Post Schedule, and to the following clauses.

INSURANCE OF FOREIGN PARCELS.

Insurance of Foreign parcels is of two kinds, *viz.*, complete insurance or insurance to destination, and inland insurance or insurance during transit in India. *Complete* insurance covers all risks during transit by land (except risks arising out of highway robbery in Native States in India) and all risks during transit by sea. Inland insurance covers all risks during transit *in India* (except risks arising out of highway robbery in Native States), but does not cover any risks by sea or land after a parcel has quitted the shores of India.

Note 1.—A Post Office marked ¶¶ or †† in the list of Post Offices cannot accept for despatch by the Foreign parcel post any parcel (whether tendered for insurance or not) for which either inland or complete insurance is compulsory.

Note 2.—No special restriction is imposed on a Post Office marked ¶ in the list of Post Offices as regards the insurance of Foreign parcels. This distinguishing mark has reference only to the insurance of inland articles.

Complete insurance is available for parcels addressed to the United Kingdom which do not exceed 11 lbs. in weight and for parcels addressed

to the British colonies and possessions and foreign countries named below, *i.e.*, such parcels can be insured from the place of posting to destination :—

Antigua.	Falkland Islands.	Portugal.
Ascension.	Germany.	Roumania.
Azores.	Gambia.	Russia *in Europe* (including Finland).
Bahamas.	Grenada.	St. Helena.
Barbadoes.	Hong Kong.	St. Kitts.
Belgium.	Italy.	St. Lucia.
Bermuda.	Lagos.	St. Vincent.
Beyrout (British post office).	Liberia (Monrovia).	Servia.
British Guiana.	Luxemburg.	Smyrna (British post office).
Cameroons.	Madeira.	† Straits Settlements.
Ceylon.	Montenegro.	Sweden.
Constantinople (British post office).	Montserrat.	Switzerland.
Denmark.	Nevis.	Tobago.
Dominica.	Newfoundland.	Tortola.
*Egypt.	Netherlands.	Trinidad.
Eritrea (Italian Colony).	Niger Coast Protectorate.	Tripoli in Barbary.
	Norway.	

Parcels for which complete insurance is available *must* be insured to destination, when they contain coin, bullion, precious stones, jewellery, watches, or articles of gold or silver : in all other cases they may be insured to destination at the option of the senders.

Note.—The term "articles of gold or silver" includes articles made wholly or partly of gold or silver, but not electro or other plated goods or gold or silver lace or embroidery.

The charge for insurance to destination is as follows; prepayment of the fee *in postage stamps* is compulsory :—

To Ceylon	When the value declared does not exceed Rs. 100	As. 4
	For every additional Rs. 100 or fraction thereof.	„ 4
To any of the foreign countries or British colonies and possessions other than Ceylon.	When the value declared does not exceed £5	As. 6
	For every additional £5 or fraction thereof	„ 6

When an insured parcel is redirected from one country to another, a fresh insurance fee becomes payable for each such transmission. If this fee is not prepaid, it is collected from the addressee on delivery. Insured parcels can only be redirected to countries which have adopted the insurance system.

The maximum amount up to which a parcel addressed to the *United Kingdom* can be insured to destination is £50 when sent by the sea route *via* Gibraltar and £20 when sent by the overland route across the continent of Europe. All insured parcels for the United Kingdom and countries served through the United Kingdom intended for transmission by the overland route will be forwarded *via* Brindisi, as insured parcels cannot be sent to the United Kingdom *via* Marseilles.

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* Insurance is not available for parcels addressed to places in the Soudan (for example to Debbah, Dongola, Halfa, Korti, Merawi and Tewfikia).

† Insurance is available on parcels addressed only to the post-towns of Singapore, Penang, and Malacca, the Province Wellesly, the Dindings, and Selangor.

The maximum amount up to which a foreign parcel addressed to other countries can be insured to destination is given below :—

(1) To Egypt, Hongkong, and the Straits Settlements, the limit is £50.

(2) To Antigua, Ascension, Bahamas, Barbadoes, Bermuda, British Guiana, Dominica, Falkland Islands, Gambia, Grenada, Lagos, Montserrat, Nevis, Newfoundland, Niger Coast Protectorate, St. Helena, St. Kitts, St. Lucia, St. Vincent, Tobago, Tortola and Trinidad, the limit is £50 when sent *via* Gibraltar and £20 when sent *via* Brindisi.

(3) To Belgium, Cameroons, Denmark, Germany, Luxemburg, Montenegro, the Netherlands, Norway, Russia in Europe (including Finland) Sweden and Switzerland, the limit is £40.

(4) To the Azores, Beyrout, Constantinople, Erithrea, Italy, Liberia, Madeira, Portugal, Roumania, Servia, Smyrna and Tripoli in Barbary, the limit is £20.

(5) To Ceylon the limit is Rs. 1,000.

Note.—The maximum amounts mentioned above are subject to the proviso that in no case can a foreign parcel be insured at a branch office for more than £25 when the value is declared in sterling, or Rs. 500 when the value is declared in rupees.

Foreign parcels containing coin, bullion, precious stones, jewellery, or articles of gold or silver which cannot be insured to destination, *must* be insured during inland transit; as under the inland rules no parcel containing such valuables can be received for transmission by post unless insured. Foreign parcels cannot, however, be insured only for inland transit when complete insurance is available to destination. The rates for inland insurance are as follows :—

(*a*) *When the value is declared in sterling money.*

When the value insured does not exceed £3	2 annas.
For every additional £3, or fraction thereof up to £50 or up to the limit of value entered against the country of destination in the foreign parcel post schedule, whichever may be less	2 annas.

(*b*) *When the value is declared in Indian money.*

When the value insured does not exceed Rs. 50.....	2 annas.
For every additional Rs. 50, or fraction thereof up to Rs. 1,000 or up to the limit of value entered against the country of destination in the foreign parcel post schedule, whichever may be less ...	2 annas.

Note.—A foreign parcel cannot be insured at a branch office for more than £25 when the value is declared in sterling, or Rs. 500 when the value is declared in rupees.

Parcels intended for insurance must be presented at the Post Office window with the usual customs declaration prescribed for ordinary foreign parcels, and also with the prescribed form of receipt for insured Foreign parcels.

Every insured parcel must be packed securely and substantially, with due regard to the nature of the contents and the length of the journey, in an outer covering of cloth, wax-cloth, or wood, and it must bear seals at intervals not exceeding three inches along each line of sewing or join. All the seals must be of the same kind of wax, and must bear distinct impressions of the same device. The device must not be that of a current coin or merely a collection of straight, curved, or crossed lines.

In the case of complete insurance to destination, compensation, not exceeding the insured value, will be granted to the sender of an insured parcel for any actual loss or damage occurring during transit, except in the cases described below.

The excepted cases are as follows :—

(*a*) -Misdelivery arising out of incorrectness or incompleteness of the address written by the sender.

(*b*)—Fraud on the part of the sender or addressee, or wrong declaration, on the part of the sender, or incomplete declaration on the part of the sender owing to his failure or omission to furnish in such declaration any particulars as to value or description or number that may be required to be furnished regarding them.

(*c*)—When the sender or addressee does not give intimation of loss within twelve months from the date of posting.

(*d*)—When there is no visible damage to the cover or seals; it being understood that the sender must so pack the parcel that its contents cannot be touched without visible damage, as aforesaid, being caused.

(*e*)—When the loss occurs through highway robbery in a Native State in India.

No compensation will be granted in respect of damage (as distinguished from loss) to a parcel containing—

(*f*)—Liquids or semi-liquids.

(*g*)—Articles of an exceptionally fragile nature, or articles which from their nature cannot with reasonable safety be sent by post.

(*h*)—Perishable articles, where damage arises from natural decay, and the parcels are delivered without undue delay.

In the case of inland insurance, the Government will guarantee the safe transit *in India* and will grant compensation, not exceeding the insured value, for any actual loss or damage occurring during inland transit.

Claims for compensation must be made within twelve months of the date of posting, and when the claim relates to damage, the parcel should be presented by the addressee for inspection as nearly as possible in the state in which it was delivered. When a parcel bears signs of injury the addressee should call attention to the fact of such injury at the time of delivery, and, if possible, open the parcel in the presence of an officer of the Post Office. The decision of the Head of the Post Office as to all questions of compensation will be final.

If deemed fit, the contents of a lost or damaged parcel will be reinstated in place of pecuniary compensation. When compensation is given for loss of a parcel or for the loss of any article contained in a parcel, the right is reserved to retain and dispose of the missing parcel, or article if subsequently recovered. In no case will compensation be given for injury or damage consequential upon the loss, damage, or delay of a parcel or of any of its contents. Compensation may be refused for loss or damage on any ground on which a common carrier might in like case claim exemption from legal liability.

PARCELS FOR THE UNITED KINGDOM.

Parcels addressed to the United Kingdom are divided into two classes, *viz.*, (i) those not exceeding 11 lbs. in weight, and (ii) those exceeding 11 lbs. but not exceeding 50 lbs. in weight.

(i)—Parcels not exceeding 11 lbs. in weight are forwarded as mails to the British Post Office. They may, at the option of the sender, be posted for despatch either by the sea route *via* Gibraltar or by the overland route across the continent of Europe, the postage being higher by the latter than by the former route. The sender must specify clearly on the cover of the parcel or on the official label pasted to it the route by which it is to be forwarded. These parcels are delivered by the Post Office, and the postage paid carries them to destination.

Note.—Uninsured parcels for transmission overland across the continent of Europe are forwarded either *via* Brindisi or *via* Marseilles, according to the route which is considered to be the more suitable one for each despatch. Insured parcels for transmission by the overland route are always forwarded *via* Brindisi (*see* clause 223).

ii)—Parcels which exceed 11 lbs. but which do not exceed 50 lbs. (the maximum allowed) in weight are forwarded from India through the medium of the P. & O. S. N. Co., and are delivered at destination under arrangements made by that Company. Such parcels are delivered free of charge *within a radius of one mile from the Company's Head Office in London*; if addressed to any place *beyond* that radius, carrier's charges are levied from the addressees on delivery. Parcels thus forwarded through the P. & O. Co. cannot be insured during transit *beyond* India, but must, if they contain coin, &c., be insured *during transit in India*.

Note.—39 tolas are reckoned as the equivalent of 1 lb.

PARCELS FROM THE UNITED KINGDOM.

The British Post Office receives parcels for India if they do not exceed 11 lbs. in weight. Parcels above that weight are received by the Peninsular and Oriental Steam Navigation Company at its offices in London. The rules governing the despatch of parcels from the United Kingdom are published in the *British Post Office Guide*, and exhibited at every British Post Office; but enquiries in the United Kingdon should, in the case of parcels not exceeding 11 lbs. in weight, be addressed to the secretary, G. P. O., London, and enquiries regarding parcels above that weight should be addressed to the Peninsular and Oriental Steam Navigation Company, 122, Leadenhall Street, London, E. C.

The rates of postage for parcels forwarded to India are as follows, *viz.* :—

PARCELS FORWARDED BY THE BRITISH POST OFFICE.

	Via Gibraltar.	Overland.
	s. d.	s. d.
For a parcel—Not over 1 lb	1 0	3 0
" Over 1 lb but not over 2 lbs ...	1 8	3 0
" " 2 lbs " " " 3 " ...	2 4	3 0
" " 3 " " " " 7 " ...	3 6	4 6
" " 7 " " " " 11 " ...	5 0	6 0

PARCELS FORWARDED THROUGH THE P. & O. S. N. CO.

	s. d.
For each pound or fraction of a pound (up to the limit of 50 lbs.).....	1 0

(*See* next clause regarding Books.)

Books despatched through the Peninsular and Oriental Steam Navigation Company to India are chargeable with postage at the rate of six pence per pound. Books sent through the British Post Office as parcels must be prepaid at the rates applicable to ordinary parcels.

Parcels containing jewellery, gold, silver, watches, or precious stones despatched through the Peninsular and Oriental Steam Navigation Company, are liable to an extra *ad valorem* rates of 1s. per £5 of value. On such parcels the *ad valorem* rate (as well as the postage) must be prepaid.

Parcels despatched by the British Post Office can be insured to destination in India. The rule regarding the insurance of parcels despatched from the United Kingdom will be found in the *British Post Office Guide*.

Parcels despatched through the Peninsular and Oriental Steam Navigation Company may, *at the option of the senders*, be insured in London to destination (in India) at a charge of 1s. per £5 of value.

The Indian Post Office is not responsible for any loss or damage which may occur with respect to uninsured parcels despatched to India,

FIXED STAMP DUTIES.

SCHEDULE I.

DESCRIPTION OF INSTRUMENT.	PROPER STAMP DUTY.
1. *Acknowledgment* of a debt exceeding twenty rupees in amount or value, written or signed by or on behalf of a debtor in order to supply evidence of such debt in any book (other than a banker's pass-book), or on a separate piece of paper when such book or paper is left in the creditor's possession. ...	One Anna.
2. *Administration-Bond.* The same duty as a Security-Bond (No. 14).	
Adoption Deed—See Instrument, No. 38.	
3. *Affidavit* or declaration in writing on oath or affirmation made before a person authorised by law to administer an oath	One Rupee.
See Exemptions Schedule II. (No. 1).	
4. *Agreement to Lease*	The same duty as a Lease (No. 39.)
5. *Agreement or Memorandum of an Agreement*—	
(*a*) If relating to the sale of any Government Security, share in a Co. or Association, or Bill of Exchange	One Anna.
(*b*) Whereby the owner or occupier of land in a village in the Bombay Presidency agrees to relinquish his rights therein to the Government and to accept rights in other land in exchange for the rights so relinquished..	Four Annas.
(*c*) If not otherwise provided for by this Act ...	Eight Annas.
See Exemptions, Schedule II. (No. 2).	
6. *Appointment*, in execution of a power, whether of trustees or of property, moveable or immoveable, where made by any writing not being a Will ...	Fifteen Rupees.
7. *Appraisement* or valuation made otherwise than under an order of the Court in the course of a suit...	The same duty as an Award (No. 10.)
See Exemptions, Schedule II. (Nos. 3 and 4).	
Apprenticeship Deed see Instrument, No. 31.	
8. *Articles of Association of a Company*	Twenty-five Rupees.
9. *Articles of Clerkship* or contract whereby any person first becomes bound to serve as a clerk in order to his admission as an Attorney in any High Court	Two hundred and fifty Rupees.
Assignment—see Conveyance No. 21 and Transfer No. 60.	
Authority to Adopt—see Instrument, No. 38.	
10. *Award*, that is to say, any decision in writing by an arbitrator or umpire on a reference made otherwise than by an order of the Court in the course of a suit—	
(*a*) Where the amount or value of the property to which the award relates as set forth in such award does not exceed Rs. 1,000 ...	The same duty as Bond No. 13 for such amount.
(*b*) In any other case	Five Rupees,

See Exemption, Schedule II. (No. 6.)

11. *Bill of Exchange or Promissory Note* not being a cheque, bond, bank-note or currency note—

(*a*) When payable on demand and the amount exceeds Rs. 20 ... ... — One Anna.

(*b*) When payable otherwise than on demand, but not more than one year after date or sight:

	If drawn singly.	If drawn in set of 2 for each part of the set.	If drawn in set of 3 for each part of the set.
	Rs. a.	Rs. a.	Rs. a.
If the amount of the bill or note does not exceed ...	200 0 2	0 1	0 1
If it exceeds 200 and does not exceed	400 0 4	0 2	0 2
Ditto 400 ditto	600 0 6	0 3	0 2
Ditto 600 ditto	1,000 0 10	0 5	0 4
Ditto 1,000 ditto	1,200 0 12	0 6	0 4
Ditto 1,200 ditto	1,600 1 0	0 8	0 6
Ditto 1,600 ditto	2,500 1 8	0 12	0 8
For every Rs. 2,500 or part thereof in excess of Rs. 2,500 up to Rs. 10,000	... 1 8	0 12	0 8
For every Rs. 5,000 or part thereof in excess of Rs. 10,000 up to Rs. 30,000	... 3 0	1 8	1 0
And for every Rs. 10,000 or part thereof in excess of Rs. 30,000	... 6 0	3 0	2 0

(*c*) When payable at more than one year after date or sight ... ... — The same duty as a Bond (No. 13) for the Amount of such bill or note.

12. *Bill of Lading* ... ... — Four Annas.
See exemption, Schedule II. (No. 7). If a Bill of Lading is drawn in parts, the proper stamp therefor must be borne by each one of the set.

13. *Bond* (not otherwise provided for by this Act)—

See administration-Bond (No. 2), Customs-Bond (No. 21), Indemnity-Bond (No 28), and Security-Bond (No. 14).

When the amount or value secured does not exceed Rs. 10 ... ... — Two Annas.

When such amount or value exceeds Rs. 10, but does not exceed Rs. 50 ... ... — Four Annas.

When such amount or value exceeds Rs. 50, but does not exceed Rs. 100 ... ... — Eight Annas.

And for every Rs. 100 or part thereof in excess of Rs. 100 up to Rs. 1,000. ... ... — Eight Annas.

And for every Rs. 500 or part thereof in excess of Rs. 1,000 ... . — Two Rupees Eight Annas.

See Exemptions, Schedule II. (No. 8).

14. *Bond or Mortgage-Deed* executed by way of security for the due execution of an office, or to account for money received by virtue thereof—

(*a*) When the amount secured does not exceed Rs. 1,000 .. .. — The same duty as a Bond (No. 13.)

(*b*) In any other case ... ... — Five Rupees.

See Exemptions, Schedule II. (Nos. 8 and 12).

15. *Bottomry-Bond*, that is to say, any instrument whereby the master of a sea-going ship borrows money on the security of the ship to enable him to preserve the ship or prosecute her voyage ... The same duty as a Bond (No. 13.)

16. *Certificate of Sale*, granted to the purchaser of any property sold by public auction, by a Civil or Revenue Court, or Collector or other Revenue-officer ... . The same duty as a Conveyance (No. 21), for a consideration equal to the amount of the purchase money only.

17. *Certificate or other Document* evidencing the right or title of the holder, thereof, or any other person, either to any shares, scrip or stock in or of any Company or Association, or to become proprietor of shares, scrip or stock in or of any Company or Association ... ... One Anna.

18. *Charter-party*, that is to say, any instrument (except an agreement for the hire of a tug-steamer) whereby a vessel or some specified principal part thereof is let for the specified purposes of the charterer .. .. One Rupee.

19. *Cheque*, for an amount exceeding twenty Rupees ... ... One Anna.

20. *Composition-Deed*, that is to say, any instrument executed by a debtor whereby he conveys his property for the benefit of his creditors, or whereby payment of a composition or dividend or their deaths is secured to the creditors, or whereby provision is made for the continuance of the debtor's business, under the supervision of Inspectors or under letters of license, for the benefit of his Creditors ... ... Ten Rupees.

21. *Conveyance*, not being a *Transfer* mentioned in No. 60—

When the amount of the consideration for such conveyance as set forth therein does not exceed Rs. 50 .. .. Eight Annas.

When it exceeds Rs. 50, but does not exceed Rs. 100 .. .. One Rupee.

For every Rs. 100 or part thereof in excess of Rs. 100 up to Rs. 1,000 .. .. One Rupee.

And for every Rs. 500 or part thereof in excess of Rs. 1,000 ... ... Five Rupees.

See Exemptions, Schedule II. (Nos. 5 and 17.)

Co-Partnership—see Instrument, No. 32.

22. *Copy or Extract*, certified to be a true copy or extract by, or by order of, any public officer, and not chargeable under the law for the time being in force relating to Court-fees—

(*a*) If the original was not chargeable with duty, or if the duty with which it was chargeable does not exceed one rupee .. .. Eight Annas.

(*b*) In any other case ... . One Rupee.

See Exemptions, Schedule II. (Nos. 9 and 10.)

23. *Counterpart or Duplicate* of any instrument chargeable with duty, and in respect of which the proper duty has been paid—

(*a*) If the duty with which the original instrument is chargeable does not exceed one rupee ... The same duty as is payable on the original.

(*b*) In any other case ... ... One Rupee.

24. *Customs-Bond* ... ... The same duty as a Security-Bond (No. 14).

25. *Declaration of any Trust* of or concerning any property when made by any writing not being a Will.. ... ... Fifteen Rupees.

26. *Delivery Order in Respect of Goods*, that is to say, any instrument entitling any person therein named, or his assigns or the holder thereof, to the delivery of any goods lying in any dock or port, or in any warehouse in which goods are stored or deposited on rent or hire, or upon any wharf, such instrument being signed by or on behalf of the owner of such goods, upon the sale or transfer of the property therein, when such goods exceed in value twenty rupees ... . One Anna.

Deposit of Title Deeds—see Instrument, No. 29.

Dissolution of Partnership—see Instrument, No. 33.

Duplicate—see Counterpart, No. 23.

27. *Entry as an Advocate, Vakil or Attorney on the Roll of any High Court* in exercise of powers conferred on such Court by Letters Patent—

In the case of an Advocate or Vakil ... .. Five hundred Rupees.

In the case of an Attorney .. .. Two hundred and fifty Rupees.

See Exemption, Schedule II (No. 11).

Exchange—see Instrument, No. 35.

Extract—see Copy, No. 22.

Further Charge—see Instrument, No 30.

Gift—see Instrument, No. 36.

28. *Indemnity Bond*... ... ... The same duty as a Security-Bond (No. 14.)

Inspectorship-Deed—see Composition-deed, No. 20.

29. *Instrument evidencing an Agreement to secure the Repayment of a Loan* made upon the deposit of title-deeds or other valuable security; or upon the hypothecation of moveable property—

(*a*) When such loan is repayable more than three months, but not more than one year, from the date of such Instrument ... ... The same duty as a Bill of Exchange (No. 11 [*b*]) for the amount secured.

(*b*) When such loan is repayable not more than three months from the date of such Instrument ... Half the duty payable on a Bill of Exchange (No. 11 [*b*]) for the amount secured.

30. *Instrument Imposing a further charge on Mortgaged Property*—

(*a*) When the original mortgage is one of the descriptions referred to in No. 44, clause (*a*), of this schedule ... ... The same duty as a Conveyance (No. 12) for a consideration equal to the amount secured by such Instrument.

When such mortgage is one of the descriptions referred to in No. 44, clause (*b*), of this schedule ... The same duty as a Bond (No. 13) for the amount secured by such Instrument.

31. *Instrument of Apprenticeship*, including every writing relating to the service or tuition of any apprentice, clerk or servant, placed with any master to learn any profession, trade or employment, except Articles of Clerkship (No. 9 of this schedule) ... ... Five Rupees.

See Exemptions, Schedule II. (No. 12 [c]).

32. *Instrument of Co-partnership*... ... ... Ten Rupees.

33. *Instrument of Dissolution of Partnership* ... ... Five Rupees.

34. *Instrument of Divorce*, that is to say, any Instrument by which any person effects the dissolution of his marriage ... ... One Rupee.

35. *Instrument of Exchange* of any property ... ... The same duty as a Conveyance (No. 21) for a consideration equal to the value of the property of greater value as set forth in such Instrument.

36. *Instrument of Gift (other than a Settlement or Will)*. The same duty as a Conveyance (No. 21) for a considertion equal to the value of the property of greater value as set forth in such Instrument.

37. *Instrument of Partition* ... ... The same duty as a Bond (No. 13) for the amount of the value of the property divided as set forth in such Instrument.

38. *Instrument (other than a Will) conferring or purporting to confer an authority to adopt* ... ... Ten Rupees.

Insurance—see Policy, No. 49.

39. *Lease*—See Agreement to lease (No. 4).

See Exemptions, Schedule II. (No. 13).

(*a*) Where—by such lease the rent is fixed and no premium is paid or delivered and such lease purports to be for a term of less than one year ... ... The same duty as a Bond (No. 13) for the whole amount payable or deliverable under such lease.

Of not less than one year but not more than three years ... ... The same duty as a Bond (No. 13) for the average annual rent reserved.

Exceeding three years ... ... The same duty as a Conveyance (No. 21) for a consideration equal to the amount or value of the average annual rent reserved.

[*b*] Where—by such lease the rent is fixed and no premium is paid or delivered, and such lease does not purport to be for any definite term... ... .. The same duty as a Conveyance (No. 21) for a consideration equal to the amount or value of the average annual rent which would be paid or deliverd for the first ten years if the lease continued so long.

(c) Where the lease is granted for a fine or premium and where no rent is reserved ... ... The same duty as a Conveyance (No. 21) for a consideration equal to the amount or value of such fine or premium as set forth in the lease.

(d) Where the lease is granted for a fine or premium in addition to rent reserved ... ... The same duty as a Conveyance (No. 21) for a consideration equal to the amount or value of such fine or premium as set forth in the lease in addition to the duty which would have been payable on such lease if no fine or premium had been paid or delivered: Provided that, when an agreement to lease is stamped with the *ad valorem* stamp required for a lease, and a lease in pursuance of such agreement is subsequently executed, the duty on such lease shall not exceed eight annas.

40 *Letter of Allotment of Shares* in any Company, or proposed Company, or in respect of any loan to be raised by any Company or proposed Company ... One Anna.

41. *Letter of Credit*, that is to say, any instrument by which one person authorises another to give credit to the person in whose favour it is drawn ... One Anna.

42. *Letter of License*, that is to say, any agreement between a debtor and his creditors that the latter shall, for a specified time, suspend their claims & allow the debtor to carry on business at his own discretion. Ten Rupees.

43. *Memorandum of Association of a Company* ... ... Fifteen Rupees.

44. *Mortgage-Deed* not provided for by No. 14, No. 15, No. 29 or No. 55 of this Schedule—

(a) When at the time of execution possession of the property or any part of the property comprised in such deed is given by the mortgagor or agreed to be given ... ... The same duty as a Conveyance (No. 21) for a consideration equal to the amount secured by such deed.

(b) When at the time of execution possession is not given or agreed to be given as aforesaid ... See Exemptions, Schedule II, No. 12 & No. 14 (b). The same duty as a Bond (No. 13) for the amount secured by such deed.

45. *Notarial Act*, that is to say, any instrument, endorsement, note, attestation, certificate, or entry made or signed by a Notary Public in the execution of duties of his office, or by any other person lawfully acting as a Notary Public ... ... One Rupee.

46. *Note or Memorandum* sent by a Broker or Agent to his principal, intimating the purchase or sale on account of such principal of any goods, stock or marketable security exceeding in value twenty rupees .. .. One Anna.

47. *Note of Protest by the Master of a Ship* ... ... Eight Annas.

Partition—see Instrument, No. 37.

Partnership- see Instrument, Nos. 32 and 33.

48. *Petition for Leave to file a specification of an Invention*, or for the extension of the term of the exclusive privilege of making or using or sailing such invention in India ... ... One hundred Rs.

(Repealed by Act V of 1888.)

49. *Policy of Insurance*—

(*a*) In the case of Sea Insurance—

	As.
(1) for or upon any voyage—	
(i) when the premium or consideration does not exceed the rate of 2 annas or one eighth per centum of the amount insured by the policy.	1
(ii) in any other case, in respect of every full sum of one thousand rupees and also any fractional part of one thousand rupees insured by the policy...	2
(2) for time—	
(iii) in respect of every full sum of one thousand rupees and also any fractional part of one thousand rupees insured by the policy :—	
Where the insurance shall be made for any time not exceeding six months...	2
Where the insurance shall be made for any time exceeding six months and not exceeding twelve months	4

(*b*) In the case of Fire Insurance—

i. In respect of an original policy for a month or any shorter term—	
When the amount insured does not exceed Rs. 1,000	2
And for every further sum of Rs. 1,000 or part thereof in excess of Rs. 1,000 ...	2
ii. In respect of an original policy for more than one month, but not more than three months	
When the amount insured does not exceed Rs. 1,000	3
And for every further sum of Rs. 1,000 or part thereof in excess of Rs. 1,000 ...	3
iii. In respect of an original policy for more than three months, but not more than six months—	
When the amount insured does not exceed Rs. 1,000	4
And for every further sum of Rs. 1,000 or part thereof in excess of Rs. 1,000 ...	4
iv. In respect of an original policy for a longer term than six months—	
When the amount insured does not exceed Rs. 1000	
And for every further sum of Rs 1,000 or part thereof in excess of Rs. 1,000 ...	6

v. In respect of renewing for the purpose of keeping in force a policy which has been granted for six months or any shorter term and in respect of which, and of the previous renewal whereof (if any), there has not already been paid the duty which would have been chargeable if the policy had originally been granted for a longer term than six months ... ... The same duty as would be payable in respect of an original policy for the amount and term to which the renewal extends; or the excess of the duty which would have been chargeable if the policy had originally been granted for a longer term than six months, over the duty already paid in respect of the policy, and of the previous renewal thereof (if any); whichever is the smaller sum.

	If drawn singly.	If drawn in duplicate for each part.
(c) In the case of any other Insurance except such reassurance as is described in division (*d*) of this article—		
When the amount insured does not exceed Rs. 1,000	As. 6	As. 3
And for every further sum of Rs. 1,000 or part thereof in excess of Rs. 1,000	6	3

See Exemption, Schedule [II] No. 14 (*a*.)

(*d*) In the case of a reinsurance by an Insurance Company which has granted a policy of sea insurance or a policy at insurance against loss by fire with another company by way of indemnity or guarantee against the payment on the original insurance of a certain part of the same insured thereby ... ... One Rupee.

50. *Power of Attorney*, not being a *Proxy* chargeable under No. 51—

(*a*) When executed for the sole purpose of procuring the presentation of one or more documents for registration in relation to a single transaction .. ... Eight Annas.

(*b*) When authorising one person or more to act in a single transaction other than that mentioned in (*a*) One Rupee.

(*c*) When authorising not more than five persons to act jointly and severally in more than one transaction or generally ... ... Five Rupees.

(*d*) When authorising more than five but not more than ten persons to act jointly and severally in more than one transaction or generally ... .. Ten Rupees.

(*e*) In any other case ... ... One Rupee for each person authorised

Explanation.—For the purposes of this number more persons than one when belonging to the same firm shall be deemed to be one person.

Promissory Note—See Bill of Exchange, No. 11.

Protest, that is to say, any declaration in writing made by a Notary Public, or other person lawfully acting as such, attesting the dishonour of a bill of exchange or promissory note.

See Notarial Act, No. 45.

Protest by the Master of a Ship, that is to say, any declaration of the particulars of her voyage drawn up by him with a view to the adjustment of losses or the calculation of averages, and every declaration in writing made by him against charterers or the consignees for not loading or unloading the ship, when such declaration is attested or certified by a Notary Public or other person lawfully acting as such.

See Notarial Act, No. 45.

51. *Proxy* empowering any person to vote at any one meeting of—

(*a*) Members of a Company whose stock or funds is or are divided into shares and transferable .. One Anna.

(*b*) Municipal Commissioners ... ... One Anna.

(*c*) Proprietors, Members or Contributors to the funds of any Institution .. .. One Anna.

52. *Receipt for any money or other Property the amount or value of which exceeds twenty Rupees* ... ... One Anna.
See Exemptions, Schedule II. No. 15).

53. *Re-Conveyance of Mortgaged Property*—

(*a*) If the consideration for which the property was mortgaged does not exceed Rs. 1,000 ... ... The same duty as a Conveyance No. 21 for the amount of such consideration as set forth in the re-conveyance.

(*b*) In any other case .. .. Ten Rupees.

54. *Release*, that is to say, any instrument whereby a person renounces a claim upon another person or against any specified property—

(*a*) If the amount of value of the claim does not exceed Rs. 1,000 .. .. The same duty as a Bond No. 13 for such amount or value as set forth in the release.

(*b*) In any other case ... ... Five Rupees.

55. *Respondentia Bond*, that is to say, any instrument securing a loan on the cargo laden or to be laden on board a ship and making repayment contingent on the arrival of the cargo at the port of destination. The same duty as a Bond No. 13.

56. *Revocation of any Trust* of or concerning any property by any instrument other than a will.. ... Ten Rupees.

57. *Settlement*... ... ... The same duty as a Bond No. 13 for a sum equal to the amount or value of the property settled as set forth in such settlement.

58. *Shipping-Order* for or relating to the conveyance of goods on board of any vessel ... ... One Anna.

Specification—See Petition, No. 48.

59. *Surrender of Lease*—
See Exemption, Schedule II. No. 16.

(*a*) When the duty with which the lease is chargeable does not exceed five rupees	The duty with which such lease is chargeable.
(*b*) In any other case	Five Rupees.
60. *Transfer.*—See Exemption, Schedule II, (No. 17.)	
(*a*) Of shares in a Company or Association ...	One-quarter of the duty payable on a Conveyance (No. 21).
(*b*) Of any interest secured by a Bond, Lease, Mortgage-deed or Policy of Insurance—	
1. If the duty on such Bond, Lease, Mortgage-deed or Policy does not exceed five rupees.. ...	The duty with which such Bond, Lease, Mortgage-deed or Policy of Insurance is chargeable.
2. In any other case	Five Rupees.
(*c*) Of any property under the Administrator-General's Act, 1874, section 31..	Ten Rupees.
(*d*) Of any trust-property from one trustee to another trustee without consideration	Five Rupees.
Trust—see Declaration, No. 25. Revocation, No. 56	
Valuation—see Appraisement, No. 7.	
61. *Warrant for Goods*, that is to say, any instrument evidencing the title of any person therein named, or his assigns, or the holder thereof, to the property in any goods lying in or upon any dock, warehouse or wharf, such instrument being signed or certified by or on behalf of the person in whose custody such goods may be...	Four Annas.

SCHEDULE II.

Instruments exempted from Stamp-duty.

1. Affidavit or declaration in writing when made—

(*a*) as a condition of enlistment under the Indian Articles of War;

(*b*) for the immediate purpose of being filed or used in any Court or before the officer of any Court; or

(*c*) for the sole purpose of enabling any person to receive any pension or charitable allowance.

2. Agreement or memorandum of agreement—

(*a*) for or relating to the sale of goods or merchandise exclusively, not being a note or memorandum chargeable under No. 46 of schedule I.;

(*b*) repealed by Act XII of 1891;

(*c*) made by ryots for the cultivation of the poppy for Government;

(*d*) made in the form of tenders to the Government of India for or relating to any loan;

(*e*) repealed by Act XII of 1891.

(*f*) made under the European Vagrancy Act 1874, section 17.

3. Appraisement or valuation made for the information of one party only, and not being in any manner obligatory between parties either by agreement or operation of law.

4. Appraisement of crops for the purpose of ascertaining the amount to be given to a landlord as rent.

5. Assignment of copyright by entry made under Act No. XX of 1847 section 5.

6. Award under Bombay Act VI of 1873, section 81, or Bombay Act III of 1874, section 18.

7. Bill of Lading—

(*a*) when the goods therein described are received at a place within the limits of any port as defined under the Indian Ports Act, 1889, and are to be delivered at another place within the limits of the same port.

8. Bond when executed by—

(*a*) the sureties of middlemen (lambardars or khattadars) taking advances for the cultivation of the poppy for Government;

(*b*) headmen nominated under rules framed in accordance with Bengal Act III of 1876, section 99, for the due performance of their duties under that Act;

(*c*) any person for the purpose of guaranteeing that the local income derived from private subscriptions to a charitable dispensary or hospital or any other object of public utility shall not be less than a specified sum per mensem.

9. Copy of any paper which a public officer is expressly required by law to make or furnish for record in any public office or for any public purpose.

10. (Repealed by Act XII of 1891).

11. Entry—

(*a*) of an advocate, vakil or attorney on the roll of any High Court when he has previously been enrolled in a High Court.

(*b*) (Repealed by Act XII of 1891).

12. Instruments—

(*a*) executed by persons taking advances under the Land Improvement Loans Act, 1883, or by their sureties, as security for the repayment of such advances;

(*b*) executed by officers of Government or their sureties to secure the due execution of an office, or the due accounting for money received by virtue thereof;

(*c*) of apprenticeship executed by a Magistrate under Act XIX of 1850, or by which a person is apprenticed by or at the charge of any public charity.

13. Leases and Counterparts—

(*a*) Leases of fisheries granted under the Burma Fisheries Act, 1875;

(*b*) Lease executed in the case of a cultivator without the payment or delivery of any fine or premium, when a definite term is expressed, and such term does not exceed one year, or when the average annual rent reserved does not exceed 100 rupees;

(*c*) Counterpart of any lease granted to a cultivator.

14. Letter—

(*a*) of cover or engagement to issue a policy of insurance:

Provided that, unless such letter or engagement bear the stamp prescribed by this Act, for such policy, nothing shall be claimable thereunder, nor shall it be available for any purpose except to compel the delivery of the policy therein mentioned.

(*b*) of hypothecation accompanying a bill of exchange.

15. Receipt—

(*a*) endorsed on or contained in any instrument duly stamped, or exempted under this schedule, No. 18, acknowledging the receipt of the consideration-money therein expressed, or the receipt of any principal-money, interest or annuity, or other periodical payment thereby secured;

(*b*) for any payment of money without consideration;

(*c*) for any payment of rent by a cultivator on account of land assessed to Government revenue, or (in the Presidencies of Fort St. George and Bombay) of inam lands;

(*d*) for pay by non-commissioned officers or soldiers of Her Majesty's Army, or Her Majesty's Indian Army, when serving in such capacity;

(*e*) for pensions or allowances by persons receiving such pensions or allowances in respect of their service as such non-commissioned officers or soldiers, and not serving the Government in any other capacity;

(*f*) given by holders of family-certificates in cases where the person from whose pay or allowances the sum comprised in the receipt has

been assigned is a non-commissioned officer or soldier of either of the said armies and serving in such capacity ;

(*g*) given by a headman or lambardar for land-revenue or taxes collected by him ;

(*h*) given for money or securities for money deposited in the hands of any banker, to be accounted for :

Provided the same be not expressed to be received of, or by the hands of, any other than the person to whom the same is to be accounted for ;

Provided, also, that this exemption shall not extend to a receipt or acknowledgment for any sum paid or deposited for or upon a letter of allotment of a share, or in respect of a call upon any scrip or share, of or in any Company or Association, or proposed or intended Company or Association.

16. Surrender of lease when such lease is exempted from duty.

17. Transfers by endorsement—

(*a*) of a bill of exchange, cheque or promissory-note ;
(*b*) of a bill of lading ;
(*c*) of a policy of insurance ;
(*d*) of mortgages of rates and taxes authorised by any Act for the time being in force in British India :
(*e*) of securities of the Government of India ;
(*f*) of a warrant for goods (No. 61 of Schedule I.)

General Exemption.

18. Any instrument executed by, or on behalf of, or in favour of Government in cases where, but for this exemption, the Government would be liable to pay the duty chargeable in respect of such instrument.

DISCOUNT TABLES.

Showing the amount of discount at various rates on sums under a Pound and Rupees ten.

English Money.											Indian Money.										
—	5%		10%		15%		20%		25%		—	5%		10%		15%		20%		25%	
s. d.	*s.*	*d*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*R.a.p.*	*R.a.p.*		*R.a.p.*		*R.a.p.*		*R.a.p.*		*R. a. p.*	
0 5	0	0½	0	0½	0	0¾	0	1	0	1¼	0	3	4	0	0	2	0	0	4	0	0	6	0	0	8	0	0	10
0 10	0	0½	0	1	0	1½	0	2	0	2½	0	6	8	0	0	4	0	0	8	0	1	0	0	1	4	0	1	8
1 3	0	0¾	0	1½	0	2¼	0	3	0	3¾	0	10	0	0	0	6	0	1	0	0	1	6	0	2	0	0	2	6
1 8	0	1	0	2	0	3	0	4	0	5	0	13	4	0	0	8	0	1	4	0	2	0	0	2	8	0	3	4
2 1	0	1¼	0	2½	0	3¾	0	5	0	6¼	1	0	8	0	1	0	0	1	8	0	2	6	0	3	4	0	4	2
2 6	0	1½	0	3	0	4½	0	6	0	7½	1	4	0	0	1	0	0	2	0	0	3	0	0	4	0	0	5	0
2 11	0	1¾	0	3½	0	5¼	0	7	0	8¾	1	7	4	0	1	2	0	2	4	0	3	6	0	4	8	0	5	10
3 9	0	2¼	0	4½	0	6¾	0	9	0	10½	1	14	0	0	1	6	0	3	0	0	4	6	0	6	0	0	7	0
4 2	0	2½	0	5	0	7½	0	10	1	0½	2	1	4	0	1	8	0	3	4	0	5	0	0	6	8	0	8	6
4 7	0	2¾	0	5½	0	8¼	0	11	1	1¾	2	4	8	0	1	10	0	3	8	0	5	6	0	7	4	0	9	4
5 0	0	3	0	6	0	9	1	0	1	3	2	8	0	0	2	0	0	4	0	0	6	0	0	8	0	0	10	0
5 10	0	3¼	0	7	0	10½	1	2	1	5½	2	14	8	0	2	4	0	4	8	0	7	0	0	9	4	0	11	8
6 8	0	4	0	8	1	1½	1	4	1	8	3	5	4	0	2	8	0	5	4	0	8	0	0	10	8	0	13	0
7 6	0	4½	0	9	1	0	1	6	1	10½	3	12	0	0	3	0	0	6	0	0	9	0	0	12	0	0	15	4
8 4	0	5	0	10	1	3	1	8	2	1	4	2	8	0	3	4	0	6	8	0	10	0	0	13	4	1	0	0
9 2	0	5½	0	11	1	4½	1	10	2	3½	4	9	4	0	3	8	0	7	4	0	11	0	0	14	8	1	2	8
10 0	0	6	1	0	1	6	2	0	2	6	5	0	0	0	4	0	0	8	0	0	12	0	1	0	0	1	4	4
10 6	0	6½	1	1	1	7½	2	1	2	7½	5	6	4	0	0	5	0	0	10	0	1	1	0	1	5	0	1	9	0
11 0	0	7	1	2	1	9	2	2	2	9	5	12	8	0	0	6	0	1	0	0	1	2	0	1	6	0	1	10	0
11 6	0	7½	1	3	1	10½	2	3	2	10½	6	1	0	0	0	7	0	1	2	0	1	3	0	1	7	0	1	11	4
12 0	0	8	1	4	2	0	2	4	3	0	6	5	4	0	0	7	0	1	4	0	1	5	0	1	8	0	1	12	8
12 6	0	8½	1	5	2	1	2	5	3	1½	6	9	8	0	0	8	0	1	4	0	1	7	0	1	9	0	1	13	8
13 0	0	9	1	6	2	3	2	7	3	3	6	13	4	0	0	8	0	1	6	0	1	8	0	1	10	0	1	14	8
13 6	0	9½	1	7	2	4	2	8	3	4½	6	14	0	0	0	8	0	1	6	0	1	8	0	1	11	0	1	15	0
14 0	0	10	1	8	2	6	2	9	3	6	7	2	0	0	0	9	0	1	8	0	1	9	0	1	12	0	2	1	0
14 6	0	10½	1	9	2	7	2	10	3	7½	7	3	4	0	0	9	0	1	8	0	1	10	0	1	13	0	2	2	4
15 0	0	11	1	10	2	8	2	11	3	9	7	4	8	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
15 6	0	11½	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
16 0	0	12	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
16 6	0	12½	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
17 0	0	12	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
17 6	0	12½	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
18 0	0	12	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
18 6	0	12½	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
19 0	0	12	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
19 6	0	12½	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8
20 0	0	12	1	11	2	9	2	11	3	10½	7	5	0	0	0	9	0	1	8	0	1	10	0	1	14	0	2	3	8

FOREIGN MONEY

THE PARTICULAR SCHEDULE TO BE FOLLOWED

SCHEDULE.	1	2	3	4	5	6	7	8	9
Amount.	At 2*s.* 0*d.*	At 1*s.*11¾*d.*	At 1*s.*11½*d.*	At 1*s.*11¼*d.*	At 1*s.* 11*d.*	At 1*s.*10¾*d.*	At 1*s.*10½*d.*	At 1*s.*10¼*d.*	At 1*s.* 10*d.*
£ *s. d.*	Rs. A.	Rs A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
1 0 0	10 0	10 2	10 4	10 5	10 7	10 9	10 11	10 13	10 15
2 0 0	20 0	20 3	20 7	20 10	20 14	21 2	21 5	21 9	21 13
3 0 0	30 0	30 5	30 10	31 0	31 5	31 10	32 0	32 6	32 12
4 0 0	40 0	40 7	40 14	41 5	41 12	42 3	42 11	43 2	43 10
5 0 0	50 0	50 9	51 1	51 10	52 3	52 12	53 5	53 15	54 9
6 0 0	60 0	60 10	61 5	61 15	62 10	63 5	64 0	64 12	65 7
7 0 0	70 0	70 12	71 8	72 4	73 1	73 14	74 11	75 8	76 6
8 0 0	80 0	80 14	81 11	82 9	83 8	84 6	85 5	86 5	87 4
9 0 0	90 0	90 15	91 15	92 15	93 15	94 15	96 0	97 1	98 3
10 0 0	100 0	101 1	102 2	103 4	104 6	105 8	106 11	107 14	109 2
1 0	0 8	0 8	0 8	0 8	0 8	0 9	0 9	0 9	0 9
2 0	1 0	1 0	1 0	1 1	1 1	1 1	1 1	1 1	1 2
3 0	1 8	1 8	1 9	1 9	1 9	1 9	1 10	1 10	1 10
4 0	2 0	2 0	2 1	2 1	2 2	2 2	2 2	2 3	2 3
5 0	2 8	2 9	2 9	2 9	2 10	2 10	2 11	2 11	2 12
6 0	3 0	3 1	3 1	3 2	3 2	3 3	3 3	3 4	3 4
7 0	3 8	3 9	3 9	3 10	3 11	3 11	3 12	3 13	3 13
8 0	4 0	4 1	4 1	4 2	4 3	4 4	4 4	4 5	4 6
9 0	4 8	4 9	4 10	4 10	4 11	4 12	4 13	4 14	4 15
10 0	5 0	5 1	5 2	5 3	5 4	5 5	5 5	5 6	5 7
11 0	5 8	5 9	5 10	5 11	5 12	5 13	5 14	5 15	6 0
12 0	6 0	6 1	6 2	6 3	6 4	6 5	6 7	6 8	6 9
13 0	6 8	6 9	6 10	6 11	6 13	6 14	6 15	7 0	7 2
14 0	7 0	7 1	7 3	7 4	7 5	7 6	7 8	7 9	7 10
15 0	7 8	7 9	7 11	7 12	7 13	7 15	8 0	8 2	8 3
16 0	8 0	8 1	8 3	8 4	8 6	8 7	8 9	8 10	8 12
17 0	8 8	8 10	8 11	8 13	8 14	9 0	9 1	9 3	9 4
18 0	9 0	9 2	9 3	9 5	9 6	9 8	9 10	9 11	9 13
19 0	9 8	9 10	9 11	9 13	9 15	10 0	10 2	10 4	10 6
1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2	0 1	0 1	0 1	0 2	0 2	0 2	0 2	0 2	0 2
3	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
4	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3
5	0 3	0 3	0 4	0 4	0 4	0 4	0 4	0 4	0 4
6	0 4	0 4	0 4	0 4	0 4	0 4	0 4	0 4	0 4
7	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5
8	0 5	0 6	0 6	0 6	0 6	0 6	0 6	0 6	0 6
9	0 6	0 6	0 6	0 6	0 6	0 6	0 7	0 7	0 7
10	0 7	0 7	0 7	7	0 7	0 7	0 7	0 7	0 7
11	0 7	0 8	0 8	8	0 8	0 8	0 8	0 8	0 8

For illustration of the use of the

ORDER SCHEDULES.

WILL BE NOTIFIED FROM TIME TO TIME.

10	11	12	13	14	15	16	17	18	SCHEDULE.
At 1s. 9½d.	At 1s. 9½d	At 1s. 9½d.	At 1s. 9d.	At 1s. 8½d.	At 1s. 8½d.	At 1s. 8½d.	At 1s. 8d.	At 1s. 7½d.	Amount.
Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	£ s. d.
11 1	11 3	11 5	11 7	11 9	11 11	11 14	12 0	12 2	1 0 0
22 1	22 5	22 10	22 14	23 2	23 7	23 11	24 0	24 5	2 0 0
33 2	33 8	33 14	34 5	34 11	35 2	35 9	36 0	36 7	3 0 0
44 2	44 11	45 3	45 12	46 4	46 13	47 7	48 0	48 10	4 0 0
55 3	55 13	56 8	57 2	57 13	58 9	59 4	60 0	60 12	5 0 0
66 3	67 0	67 12	68 9	69 6	70 4	71 2	72 0	72 15	6 0 0
77 4	78 2	79 1	80 0	81 0	81 15	82 15	84 0	85 1	7 0 0
88 5	89 5	90 6	91 7	92 8	93 11	94 13	96 0	97 3	8 0 0
99 5	100 8	101 10	102 14	104 2	105 6	106 11	108 0	109 6	9 0 0
110 6	111 10	112 15	114 5	115 11	117 1	118 8	120 0	121 8	10 0 0
0 9	0 9	0 9	0 9	0 9	0 9	0 9	0 10	0 10	1 0
1 2	1 2	1 2	1 3	1 3	1 3	1 3	1 3	1 3	2 0
1 11	1 11	1 11	1 12	1 12	1 12	1 12	1 13	1 13	3 0
2 3	2 4	2 4	2 5	2 5	2 5	2 6	2 6	2 7	4 0
2 12	2 13	2 13	2 14	2 14	2 15	2 15	3 0	3 1	5 0
3 5	3 6	3 6	3 7	3 8	3 8	3 9	3 10	3 10	6 0
3 14	3 15	3 15	4 0	4 1	4 2	4 2	4 3	4 4	7 0
4 7	4 8	4 8	4 9	4 10	4 11	4 12	4 13	4 14	8 0
5 0	5 0	5 1	5 2	5 3	5 4	5 5	5 6	5 7	9 0
5 8	5 9	5 10	5 12	5 13	5 14	5 15	6 0	6 1	10 0
6 1	6 2	6 4	6 5	6 6	6 7	6 8	6 10	6 11	11 0
6 10	6 11	6 13	6 14	6 15	7 0	7 2	7 3	7 5	12 0
7 3	7 4	7 6	7 7	7 8	7 10	7 11	7 13	7 14	13 0
7 12	7 13	7 15	8 0	8 2	8 3	8 5	8 6	8 8	14 0
8 5	8 6	8 8	8 9	8 11	8 12	8 14	9 0	9 2	15 0
8 13	8 15	9 1	9 2	9 4	9 6	9 8	9 10	9 12	16 0
9 6	9 8	9 10	9 12	9 13	9 15	10 1	10 3	10 5	17 0
9 15	10 1	10 3	10 5	10 7	10 9	10 11	10 13	10 15	18 0
10 8	10 10	10 12	10 14	11 0	11 2	11 4	11 6	11 9	19 0
0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	1
0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	2
0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	3
0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	4
0 4	0 4	0 4	0 4	0 4	0 4	0 4	0 4	0 4	5
0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	6
0 5	0 5	0 5	0 5	0 6	0 5	0 6	0 6	0 6	7
0 6	0 6	0 6	0 6	0 6	0 6	0 6	0 6	0 6	8
0 7	0 7	0 7	0 7	0 7	0 7	0 7	0 7	0 7	9
0 7	0 8	0 8	0 8	0 8	0 8	0 8	0 8	0 8	10
0 8	0 8	0 8	0 8	0 9	0 9	0 9	0 9	0 9	11

Schedule, see preceding clause.

FOREIGN MONEY

THE PARTICULAR SCHEDULE TO BE FOLLOWED

SCHEDULE.	19	20	21	22	23	24	25	26
Amount.	At 1s. 7½d.	At 1s. 7¼d.	At 1s. 7d.	At 1s. 6¾d.	At 1s. 6½d.	At 1s. 6¼d.	At 1s. 6d.	At 1s. 5¾d.
£ s. d.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
1 0 0	12 5	12 7	12 10	12 13	13 0	13 2	13 5	13 8
2 0 0	24 10	24 15	25 4	25 10	25 15	26 5	26 11	27 1
3 0 0	36 15	37 6	37 14	38 6	38 15	39 7	40 0	40 9
4 0 0	49 4	49 14	50 8	51 3	51 14	52 10	53 5	54 1
5 0 0	61 9	62 5	63 3	64 0	64 14	65 12	66 11	67 10
6 0 0	73 14	74 13	75 13	76 13	77 13	78 14	80 0	81 2
7 0 0	86 2	87 4	88 7	89 10	90 13	92 1	93 5	94 10
8 0 0	98 7	99 12	101 1	102 6	103 13	105 3	106 11	108 3
9 0 0	110 12	112 3	113 11	115 3	116 12	118 6	120 0	121 11
10 0 0	123 1	124 11	126 5	128 0	129 12	131 8	133 5	135 3
1 0	0 10	0 10	0 10	0 10	0 10	0 11	0 11	0 11
2 0	1 4	1 4	1 4	1 4	1 5	1 5	1 5	1 6
3 0	1 14	1 14	1 14	1 15	1 15	2 0	2 0	2 0
4 0	2 7	2 8	2 8	2 9	2 10	2 10	2 11	2 11
5 0	3 1	3 2	3 3	3 3	3 4	3 5	3 5	3 6
6 0	3 11	3 12	3 13	3 13	3 14	3 15	4 0	4 1
7 0	4 5	4 6	4 7	4 8	4 9	4 10	4 11	4 12
8 0	4 15	5 0	5 1	5 2	5 3	5 4	5 5	5 7
9 0	5 9	5 10	5 11	5 12	5 13	5 15	6 0	6 1
10 0	6 2	6 4	6 5	6 6	6 8	6 9	6 11	6 12
11 0	6 12	6 14	6 15	7 1	7 2	7 4	7 5	7 7
12 0	7 6	7 8	7 9	7 11	7 13	7 14	8 0	8 2
13 0	8 0	8 2	8 3	8 5	8 7	8 9	8 11	8 13
14 0	8 10	8 12	8 13	8 15	9 1	9 3	9 5	9 7
15 0	9 4	9 6	9 8	9 10	9 12	9 14	10 0	10 2
16 0	9 14	10 0	10 2	10 4	10 6	10 8	10 11	10 13
17 0	10 7	10 10	10 12	10 14	11 0	11 3	11 5	11 8
18 0	11 1	11 4	11 6	11 8	11 11	11 13	12 0	12 3
19 0	11 11	11 14	12 0	12 3	12 5	12 8	12 11	12 14
1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2
3	0 2	0 2	0 3	0 3	0 3	0 3	0 3	0 4
4	0 3	0 3	0 3	0 3	0 3	0 4	0 4	0 3
5	0 4	0 4	0 4	0 4	0 4	0 4	0 4	0 5
6	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5
7	0 6	0 6	0 6	0 6	0 6	0 6	0 6	0 6
8	0 7	0 7	0 7	0 7	0 7	0 7	0 7	0 7
9	0 7	0 7	0 8	0 8	0 8	0 8	0 8	0 8
10	0 8	0 8	0 8	0 9	0 9	0 9	0 9	0 9
11	0 9	0 9	0 9	0 9	0 10	0 10	0 10	0 10

For illustration of the use of the

ORDER SCHEDULES.

WILL BE NOTIFIED FROM TIME TO TIME.

27	28	29	30	31	32	33	34	SCHEDULE.
At 1s. 5¼d.	At 1s. 5½d.	At 1s. 5d.	At 1s. 4⅞d.	At 1s. 4½d.	At 1s. 4⅛d.	At 1s. 4d.	At 1s. 3¾d	Amount.
Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	£. s. d.
13 11	13 15	14 2	14 5	14 9	14 12	15 0	15 4	1 0 0
27 7	27 13	28 4	28 11	29 1	29 9	30 0	30 8	2 0 0
41 2	41 12	42 6	43 0	43 10	44 5	45 0	45 11	3 0 0
54 14	55 10	56 8	57 5	58 3	59 1	60 0	60 15	4 0 0
68 9	69 9	70 9	71 10	72 12	73 14	75 0	76 8	5 0 0
82 5	83 8	84 11	86 0	87 4	88 10	90 0	91 7	6 0 0
96 0	97 6	98 13	100 5	101 13	103 6	105 0	106 11	7 0 0
109 11	111 5	112 15	114 10	116 6	118 2	120 0	121 14	8 0 0
123 7	125 3	127 1	128 15	130 15	132 15	135 0	137 2	9 0 0
137 2	139 2	141 3	113 5	145 7	147 11	150 0	152 6	10 0 0
0 11	0 11	0 11	0 11	0 12	0 12	0 12	0 12	1 0
1 6	1 6	1 7	1 7	1 7	1 8	1 8	1 8	2 0
2 1	2 1	2 2	2 2	2 3	2 3	2 4	2 5	3 0
2 12	2 13	2 13	2 14	2 15	2 15	3 0	3 1	4 0
3 7	3 8	3 8	3 9	3 10	3 11	3 12	3 13	5 0
4 2	4 3	4 4	4 5	4 6	4 7	4 8	4 9	6 0
4 13	4 14	4 15	5 0	5 1	5 3	5 4	5 5	7 0
5 8	5 9	5 10	5 12	5 13	5 15	6 0	6 2	8 0
6 3	6 4	6 6	6 7	6 9	6 10	6 12	6 14	9 0
6 14	6 15	7 1	7 3	7 4	7 6	7 8	7 10	10 0
7 9	7 10	7 12	7 14	8 0	8 2	8 4	8 6	11 0
8 4	8 6	8 8	8 10	8 12	8 14	9 0	9 2	12 0
8 15	9 1	9 3	9 5	9 7	9 10	9 12	9 14	13 0
9 10	9 12	9 14	10 0	10 3	10 5	10 8	10 11	14 0
10 5	10 7	10 9	10 12	10 15	11 1	11 4	11 7	15 0
11 0	11 2	11 5	11 7	11 10	11 13	12 0	12 3	16 0
11 11	11 13	12 0	12 3	12 6	12 9	12 12	12 15	17 0
12 5	12 8	12 11	12 14	13 1	13 5	13 8	13 11	18 0
13 0	13 3	13 7	13 10	13 13	14 0	14 4	14 8	19 0
0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	1
0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	2
0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	3
0 4	0 4	0 4	0 4	0 4	0 4	0 4	0 4	4
0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	5
0 5	0 6	0 6	0 6	0 6	0 6	0 6	0 6	6
0 6	0 6	0 7	0 7	0 7	0 7	0 7	0 7	7
0 7	0 7	0 8	0 8	0 8	0 8	0 8	0 8	8
0 8	0 8	0 8	0 9	0 9	0 9	0 9	0 9	9
0 9	0 9	0 9	0 10	0 10	0 10	0 10	0 10	10
0 10	0 10	0 10	0 11	0 11	0 11	0 11	0 11	11

Schedule, see preceding clause.

THE PARTICULAR SCHEDULE TO BE FOLLOWED

SCHEDULE.	35	36	37	38	39	40	41	42
Amount.	At 1s. 3½d.	At 1s. 3¼d.	At 1s. 3d.	At 1s. 2¾d.	At 1s. 2½d.	At 1s. 2¼d	At 1s. 2d.	At 1s. 1¾d.
£. s. d.	Rs A.	Rs A	Rs A.	Rs A.	Rs A.	Rs A.	Rs A.	Rs A.
1 0 0	15 8	15 12	16 0	16 4	16 9	16 13	17 2	17 7
2 0 0	30 15	31 8	32 0	32 9	33 2	33 11	34 5	34 15
3 0 0	46 7	47 3	48 0	48 13	49 10	50 8	51 7	52 6
4 0 0	61 15	62 15	64 0	65 1	66 3	67 6	68 9	69 13
5 0 0	77 7	78 11	80 0	81 6	82 12	84 3	85 11	87 4
6 0 0	92 14	94 7	96 0	97 10	99 5	101 1	102 14	104 12
7 0 0	108 6	110 3	112 0	113 14	115 14	117 14	120 0	122 3
8 0 0	123 14	125 14	128 0	130 3	132 7	134 12	137 2	139 10
9 0 0	139 6	141 10	144 0	146 7	148 15	151 9	154 5	157 1
10 0 0	154 13	157 6	160 0	162 11	165 8	168 7	171 7	174 9
1 0	0 12	0 13	0 13	0 13	0 13	0 13	0 14	0 14
2 0	1 9	1 9	1 10	1 10	1 10	1 11	1 11	1 12
3 0	2 5	2 6	2 6	2 7	2 8	2 8	2 9	2 10
4 0	3 2	3 2	3 3	3 4	3 5	3 6	3 7	3 8
5 0	3 14	3 15	4 0	4 1	4 2	4 3	4 5	4 6
6 0	4 10	4 12	4 13	4 14	4 15	5 1	5 2	5 4
7 0	5 7	5 8	5 10	5 11	5 13	5 14	6 0	6 2
8 0	6 3	6 5	6 6	6 8	6 10	6 12	6 14	7 0
9 0	6 15	7 1	7 3	7 5	7 7	7 9	7 11	7 14
10 0	7 12	7 14	8 0	8 2	8 4	8 7	8 9	8 12
11 0	8 8	8 10	8 13	8 15	9 2	9 4	9 7	9 10
12 0	9 5	9 7	9 10	9 12	9 15	10 2	10 5	10 8
13 0	10 1	10 4	10 6	10 9	10 12	10 15	11 2	11 6
14 0	10 13	11 0	11 3	11 6	11 9	11 13	12 0	12 3
15 0	11 10	11 13	12 0	12 3	12 7	12 10	12 14	13 1
16 0	12 6	12 9	12 13	13 0	13 4	13 8	13 11	13 15
17 0	13 3	13 6	13 10	13 13	14 1	14 5	14 9	14 13
18 0	13 15	14 3	14 6	14 10	11 14	15 3	15 7	15 11
19 0	14 11	14 15	15 3	15 7	15 12	16 0	16 5	16 9
1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1
2	0 2	0 2	0 2	0 2	0 2	0 2	0 2	0 1
3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 2
4	0 4	0 4	0 4	0 4	0 4	0 4	0 5	0 5
5	0 5	0 5	0 5	0 5	0 6	0 6	0 6	0 6
6	0 6	0 6	0 6	0 7	0 7	0 7	0 7	0 7
7	0 7	0 7	0 7	0 8	0 8	0 8	0 8	0 8
8	0 8	0 8	0 9	0 9	0 9	0 9	0 9	1 9
9	0 9	0 9	0 10	0 10	0 10	0 10	0 10	0 10
10	0 10	0 10	0 11	0 11	0 11	0 11	0 11	0 12
11	0 11	0 12	0 12	0 12	0 12	0 12	0 13	0 13

For illustration of the use of the

ORDER SCHEDULES.

WILL BE NOTIFIED FROM TIME TO TIME.

43	44	45	46	47	48	49	Schedule.
At 1s. 1¼d.	At 1s. 1½d.	At 1s. 1d.	At 1s. ¾d.	At 1s. ½d.	At 1s. ¼d.	At 1s.	Amount.
Rs A.	Rs A.	Rs A.	Rs A.	Rs A.	Rs A.	Rs A.	£. s. d.
17 12	18 2	18 7	18 13	19 3	19 9	20 0	1 0 0
35 9	36 4	36 15	37 10	38 6	39 3	40 0	2 0 0
53 5	54 5	55 6	56 8	57 10	58 12	60 0	3 0 0
71 2	72 7	73 14	75 5	76 13	78 6	80 0	4 0 0
88 14	90 9	92 5	94 2	96 0	97 15	100 0	5 0 0
106 11	108 11	110 12	112 15	115 3	117 9	120 0	6 0 0
124 7	126 13	129 4	131 12	134 6	137 2	140 0	7 0 0
142 4	144 14	147 11	150 9	153 10	156 12	160 0	8 0 0
160 0	163 0	166 2	169 7	172 13	176 5	180 0	9 0 0
177 12	181 2	184 10	188 4	192 0	195 15	200 0	10 0 0
0 14	0 14	0 15	0 15	0 15	1 0	1 0	1 0 0
1 12	1 13	1 14	1 14	1 15	1 15	2 0	2 0 0
2 11	2 11	2 12	2 13	2 14	2 15	3 0	3 0 0
3 9	3 10	3 11	3 12	3 13	3 15	4 0	4 0 0
4 7	4 8	4 10	4 11	4 13	4 14	5 0	5 0 0
5 5	5 7	5 9	5 10	5 12	5 14	6 0	6 0 0
6 4	6 5	6 7	6 9	6 12	6 14	7 0	7 0 0
7 2	7 4	7 6	7 8	7 11	7 13	8 0	8 0 0
8 0	8 2	8 5	8 8	8 10	8 13	9 0	9 0 0
8 14	9 1	9 4	9 7	9 10	9 13	10 0	10 0 0
9 12	9 15	10 2	10 6	10 9	10 12	11 0	11 0 0
10 11	10 14	11 1	11 5	11 8	11 12	12 0	12 0 0
11 9	11 12	12 0	12 4	12 8	12 12	13 0	13 0 0
12 7	12 11	12 15	13 3	13 7	13 11	14 0	14 0 0
13 5	13 9	13 14	14 2	14 6	14 11	15 0	15 0 0
14 4	14 8	14 12	15 1	15 6	15 11	16 0	16 0 0
15 2	15 6	15 11	16 0	16 5	16 10	17 0	17 0 0
16 0	16 5	16 10	16 15	17 4	17 10	18 0	18 0 0
16 14	17 3	17 9	17 14	18 4	18 10	19 0	19 0 0
0 1	0 1	0 1	0 1	0 1	0 1	0 1	1
0 2	0 2	0 2	0 3	0 3	0 3	0 3	2
0 4	0 4	0 4	0 4	0 4	0 4	0 4	3
0 5	0 5	0 5	0 5	0 5	0 5	0 5	4
0 6	0 6	0 6	0 6	0 6	0 7	0 7	5
0 7	0 7	0 7	0 8	0 8	0 8	0 8	6
0 8	0 8	0 9	0 9	0 9	0 9	0 9	7
0 9	0 10	0 10	0 10	0 10	0 10	0 11	8
0 11	0 11	0 11	0 11	0 12	0 12	0 12	9
0 12	0 12	0 12	0 13	0 13	0 13	0 13	10
0 13	0 13	0 14	0 14	0 14	0 14	0 15	11

Schedules, see preceding clause.

INDIAN MONEY TABLE.

3 Pie	make	1 Pice	= 1½ Farthing.
4 Pice or 12 Pie	,,	1 Anna	= 1½ Pence.
16 Annas	,,	1 Rupee	= 2 Shillings.
16 Rupees	,,	1 Gold Mohur	= £1-12.
1,00,000 Rupees	,,	1 Lac	= £10,000.
100 Lacs	,,	1 Crore	= £1,000,000.

FOREIGN COINS, WITH COMPARATIVE VALUES.

These rise and fall in their value according to their abundance or scarcity.

Countries.	Chief Coins.	English Commercial Value.		Intrinsic Value in India.		
		s.	d.	Rs	A	P.
Austria	Florin	1	11	1	1	6
Belgium	Franc	0	9½	0	6	9
Brazil	Milrei	2	3	1	1	6
Buenos Ayres (Argentine Republic)	Dollar	3	6	.....		
Canada	Dollar	4	2	2	4	0
China	Tael	6	6	3	9	0
Ditto	Dollar (varies)	4	6	2	9	0
Cuba	Dollar	4	2	2	4	0
Denmark	Rigsbank Dollar	2	3	1	2	11
Egypt	Piastre	0	2½	0	1	6
England	Shilling	.....		0	8	0
Ditto	Sovereign	20	0	10	4	4
France	Franc	0	9½	0	6	9
Ditto	Louis d'or	16	5	8	2	4
Germany, North	Thaler	2	11	1	9	0
Ditto	Florin	1	8	0	14	3
Greece	Drachma	0	8½	0	5	8
Ditto	5 Drachmes	.....		1	14	2
Holland	Florin	1	8	0	14	5
Italy	Lira	0	9½	0	6	0
Japan	Ichibu	1	4½	.....		
Java	Florin	1	8	0	14	5
Mexico, Chili, Peru	Dollar (about)	4	2	2	4	0
Norway	Rix Dollar	4	6	2	5	11
Persia	Tomaun	10	0	.....		
Portugal	Mil reis (about)	4	0	2	2	0
Roman States	Scudo	4	0	2	4	0
Russia	Rouble	3	0	1	11	0
Spain	Dollar	4	2	2	2	0
Ditto	Duro of 20 Reals	.....		2	3	5
Sweden	Rix Dollar	.....		2	6	1
Switzerland	Franc	0	9½	0	6	9
Turkey	Piastre (nearly)	0	2½	0	1	6
Uruguay	Dollar	3	6	.....		
U. S. of America	Dollar	4	2	2	2	0
West Indies, British	Dollar	4	2	2	2	0

GOVERNMENT TELEGRAPH DEPARTMENT.

BOMBAY DIVISION.

The Bombay Division of Telegraphs includes only a portion of the Presidency, while it extends to Bezvada.

NAMES.	Date of appointment to present Grade.	Date of appointment to Telegraph Department.	Station.
Supt., Class V, 1st Grade—			
S. H. C. Hutchinson, A.M.I.C.E., M.I.E.E.	8 Mar. 1892.	30 Nov. 1871.	Bombay.
Assistant Superintendents—			
G. T. W. Oliver	23 Aug. 1893.	23 Aug. 1893.	Bombay.
S. Babington, ...	28 Mar. 1896.	1 Oct. 1892.	Rajkot.
W. S. Sharpe	15 July 1897.	25 June 1892.	Poona.
C. D. de V. Babington.	1 Oct. 1895.	1 Oct. 1895	Poona.
J. D. Macrae	1 Oct. 1896.	1 Oct. 1896.	Secunderabad.
Sub-Assistant Superintendents—			
H. Thorpe	1 Dec. 1888.	15 Aug. 1865.	Ahmedabad. (On Furlough.)
J. Collett.....	1 April 1880	1 May 1860.	Bombay.
A. E. K. Pitcher ...	1 April 1893.	1 Mar. 1881.	Bombay.
G. H. Hatherill	1 April 1893.	1 April 1875.	Poona. (Furlough.)
A. Perkins	1 April 1892.	1 April 1875.	Ahmedabad.
T. Perkins	1 June 1895.	1 April 1875.	Poona.
J. Williams	1 Aug. 1890.	7 July 1874.	Poona.

NAMES.	Date of appointment to present Grade.	Date of appointment to Telegraph Department.	Station.
Telegraph Master, 2nd Grade, Charge allowance Rs			60—
G. Marks	1 Mar. 1872.	1 Mar. 1896.	Bhavnagar.
J. Burke	6 Aug 1897.	1 April 1864	Ahmedabad.
A. X. De Silva	1 Oct. 1889.	4 April 1867.	Poona.
Telegraph Master, 3rd Grade, Charge allowance Rs			40—
H. Black	1 Oct. 1889.	3 Dec. 1856.	Bombay, (Pydhonie.)
W. Chitts	1 Oct. 1889.	1 July 1860.	Governor's Office.
L. C. Gomes	1 Oct. 1889.	1 Nov. 1865.	Secunderabad.
F. G. D. Mason	6 Sept. 1885.	1 Jan. 1892.	Deolali.
J. A. Wells	1 Oct. 1889.	26 July 1866.	Musjid.
E. G. Wood	1 April 1897.	7 Dec. 1878.	Sholapur.
P. F. Anderson	1 Oct. 1889.	15 Oct. 1865.	Hyderabad.
Telegraph Master, 4th Grade, Charge allowance Rs.			20—
E. O'Rielly	1 Mar. 1890.	1 June 1858.	Baroda.
C. O'Brien	.....	15 Aug. 1866.	Poona.
J. C. Lawrence	.....	1 April 1859.	Rajkot.
E. T. D'Silva	.....	1 Mar. 1882.	Ahmedabad.
F. A. D'Silva	.....	20 Aug. 1877.	Ahmedabad.
W. R. Dhavale	.....	1 Aug. 1872.	Bhavnagar.
Dhunjibhoy Merwanji.	.....	16 Jan. 1882	Bhavnagar.
E. Woodman	8 Jan. 1893.	1 Aug. 1863.	Bolarum.
J. T. McEvoy	1 June 1896.	16 May 1868.	Poona.
J. T. Freeman	1 Mar. 1892.	22 Mar. 1865.	Bombay, (Pydhonie.)
E. A. Brookes	.....	15 Aug. 1865.	Surat.
J. Hyde	1 Mar. 1892.	15 Aug. 1865.	Bombay, (Pydhonie.)
T. W. Cleurs	.....	15 Nov. 1865	Bombay, (Byculla.)
J. S. Butler	.....	16 Oct. 1887.	Secunderabad.

GOVERNMENT TELEGRAPH DEPARTMENT.

BOMBAY OFFICE.

The Bombay Office Division is independent of the Bombay Division.

NAMES.	Date of appointment to present Grade.	Date of appointment to Telegraph Department.	Station.
Chief Superintendent—			
G. L. Towers	3 Feb. 1898.	9 Nov. 1870.	Bombay.
Sub-Assistant Supt., 1st Grade—			
G. D. Burton	1 Nov. 1887.	8 Oct. 1860	do.
Telegraph Masters, 2nd Grade, Charge allowance Rs. 60—			
T. J. Johnstone	27 Feb. 1890.	10 Oct. 1866.	do.
W. S. Corner	29 Nov. 1894	1 Dec. 1867.	do.
H. Cassels	2 July 1896.	1 Apl. 1875.	do.
Telegraph Masters 3rd Grade, Charge allowance Rs. 40—			
P. DaCunha	1 Apl. 1895.	16 Nov. 1885.	do.
Telegraph Masters, 4th Grade, Charge allowance Rs. 20—			
M. M. Mathews.....	15 Mar. 1894.	21 Oct. 1878.	do.
J. W. Hendrick.....	21 May 1893.	9 Feb. 1893.	do.
E. G. Wood	8 Apl. 1892.	17 Dec. 1878.	do.
E. J. Mullins	16 Oct. 1897.	1 Sep. 1880.	do.
A. Rama Rao	9 May 1898.	1 Dec. 1880.	do.

FOREIGN PRESS TELEGRAMS AT REDUCED RATES.

UNITED KINGDOM.

Telegrams in plain English containing news or intelligence for publication in newspapers are transmitted, *via* Teheran or *via* Suez from the United Kingdom to India and Burma, and from Government Telegraph Offices in India and Burma to the United Kingdom, at reduced rates subject to the following conditions:—

I.—The newspapers, their correspondents or agents, are required to address their telegrams to a registered newspaper, and such newspaper is prohibited from selling, distributing or communicating such telegrams to clubs, exchanges, or news-rooms, or disposing of them for any purpose whatsoever, either directly or indirectly, other than for publication in registered newspapers.

II.—Telegrams at the reduced rate shall not be allowed to interfere with the transmission of telegrams at full rates, and in order to ensure this, the transmission of such News telegrams may be deferred or suspended, or interrupted until any State or Private telegram or any Press telegram at full rates, which may be on hand, shall have been transmitted and completed. On the lines of the Indian Telegraph Department such telegrams will take precedence with Ordinary Inland telegrams.

III.—No telegrams shall be transmitted at the reduced rate except for publication in a newspaper, and they must be written in Plain English so as to be intelligible to the transmitting Offices. Telegrams containing news or information not for publication, or containing Code words or words of concealed meaning, or groups of figures or ciphers, shall be paid for at the full tariff rates.

IV.—The news transmitted in such telegrams at the reduced rate must be duly published in the newspapers to which they may be addressed, or satisfactory reasons be given for non-publication, in the absence of which full tariff rates will be chargeable.

V.—All Press telegrams at the reduced rate must be prepaid, except under special arrangements made by an authorised newspaper for a specially nominated correspondent.

VI.—The reduced rate for Press telegrams applies only when all the above conditions have been satisfied, and any subsequent claim made for the difference between the reduced and full rates must be satisfied immediately on demand.

CANNOT BE MULTIPLE.—A Press telegram sent as above at reduced rates cannot be Multiple; in other words it must be addressed to only one newspaper.

HOW MARKED, &C.—Press telegrams must be marked *Press* by the Senders, and the benefit of press rates must be claimed by them at the time the telegrams are tendered for despatch.

FOREIGN (PRIVATE AND STATE) TELEGRAMS.

To	Per Word.	
	From India.	From Burma.
	Rs. a.	Rs. a.
All Countries in Europe (except Russia and Turkey)	3 4	3 6
Ceylon	0 3	0 4½

FOREIGN PRESS TELEGRAMS.

To	From India.	From Burma.
	Rs. a.	Rs. a.
Aden and Perim—per word	0 12	0 12
Malacca Penang and Singapore—per word...	0 8	0 8
Siam *via* Moulmein—per word	0 4	0 4
Souakim—per word	1 1	1 1
United Kingdom and France—per word ...	1 1	1 1
New South Wales... Victoria ... ... } per word...	1 2	1 2
West Australia ... South Australia ... } per word...	1 1	1 1
Queensland—per word	1 7	1 7
New Zealand—per word	1 12	1 12
Tasmania—per word	1 9	1 9
Hong-Kong—per word	0 11	0 11
Shanghai—per word	1 0	1 0
Ceylon :—		
First 32 words or groups of 5 figures ...	1 8	2 4
Every four additional words or groups of 5 figures	0 3	0 4½

CHARGES FOR TELEGRAMS TO EUROPE.

NOTE.—The charges given below are from Offices in India. For charges from Offices in Burma, add two annas a word in all cases except *via* Bhamo, in which case deduct two annas a word :—

To	*Via*	Per Word from India.
		Rs. a.
All Countries, except Russia and Turkey*	Turkey	2 11
Do. do.	Teheran † *or* Suez	3 0
Do. do.	Madras—Amoor‡	6 0
Do. do.	*Via*—Bhamo-Helampo ...	5 10
Russia, including Caucasus.	Teheran	2 7
Do. do. ...	Suez	3 0
Do. do. ...	*Via*—Bhamo-Helampo ..	3 11
Russia, excluding Caucasus.	Turkey—Odessa	3 2
Do. do. ...	Turkey	2 15
Turkey*	Fao	2 2
Do.	Suez..	3 0
Do.	Teheran—Batoum	3 0
Do.	Teheran—Odessa	3 2
Do.	Teheran—Roumania	3 0

* Private telegrams in secret language for Bosnia-Herzogovina, Bulgaria and Turkey, cannot be accepted.

† Telegrams in which route is marked "*via* Indo" should be altered "*via* Teheran."

‡ This route is duplicated East of Blagowestschenk by the junction of the Chinese and Russian land lines through Helampo and Blagowestschenk.

CHARGES FOR TELEGRAMS TO PLACES IN ASIA, EAST OF INDIA.

NOTE.—The charges given below are from Offices in India. For charges from Offices in Burma, add two annas a word in all cases except *via* Bhamo and *via* Moulmein, in which case deduct two annas a word.

II.—Telegraph masters are to observe that the sender of a meseage is the judge whether it is on the British (*not* Indian) or French Government service or not, and that consequently the reduced rates for Government telegrams given in this section need not be referred to or applied unless claimed by the sender. In the absence of any claim for reduced rates, the ordinary rates should be applied. Telegrams paid for at reduced rates are classed Xf. S.D.B. for British and Xf. S. D. F. for French Government messages.

To	Per Word from India.							
	Via Bhamo.	*Via* Moulmein.*	*Via* Madras.	*Via* Teheran —Amoor.†	*Via* Moulmein— Hue.	*Via* Moulmein— Haiphong.	*Via* Madras —Hue.	*Via* Madras— Haiphong.
	Rs. a.	Rs. a.	Rs. a	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
ANNAM	2 3	1 11	1 15	5 3	...	...	...	...
Do. Govt. Telegrams..	...	...	1 8	...	...	...	...	...
CHINA :—								
Offices common to the Eastern Extension A. and C. Telegraph Co. and to the Great Northern Telegraph Co. :—								
Amoy, Foochow, Shanghai	1 4	2 3	1 13	4 6	2 1	2 12	2 9	3 4
Do. Govt. Telegrams*	...	...	1 2	...	...	...	...	...
Gutzlaff, Saddle Island...	...	2 3	1 13	4 6	...	...	...	...
Do. Govt. Telegrams .	...	...	1 2	...	...	...	...	...
Hongkong	1 4	2 3	1 13	4 6	2 1	2 12	2 9	3 4
Do. Govt. Telegrams*	...	...	1 2	...	...	...	...	...
Macao	...	2 5	2 0	4 8	1 15	2 10	2 6	3 1
Do. Govt Telegrams*	...	...	1 3	...	...	...	...	...
Macao *Portuguese Government Telegrams*) ...	...	2 4	1 14	4 7	1 14	2 9	2 5	3 0
Offices belonging to the Chinese Government in the following provinces : —								
Kiangsu Province (except Chungkiangpoo, Wusung and Yangchow)	1 4	2 8	2 3	4 11	2 1	2 12	2 9	3 4
Kiangsu Province Govt. telegrams *...	...	...	1 7	...	...	...	...	...
Chungkiangpoo, Yangchow	1 14	2 8	2 3	4 11	2 8	3 3	3 0	3 11
Do. Govt. telegrams *	...	...	1 7	...	...	...	...	...

* British (*not* Indian) and French Government telegrams only. (For application, see Note II at the head of this section.)

To	Per word from India.							
	Via Bhamo.	*Via* Monlmein.	*Via* Madras.	*Via* Teheran —Amoor.	*Via* Moulmein—Hue.	*Via* Moulmein—Haiphong.	*Via* Madras—Hue.	*Via* Madras—Haiphong.
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs a.	Rs. a.
CHINA—								
Wusung †	1 4	2 5	2 0	4 8	2 1	2 12	2 9	3 4
Do. Govt. telegrams*	...	...	1 4	...	...	...	...	...
Chekiang and Nganwhei Provinces..	1 4	2 10	2 4	4 13	2 1	2 12	2 9	3 4
Do. Govt. telegrams*	...	...	1 8	...	...	...	...	...
Shantung Province ...	1 14	2 10	2 4	4 13	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 8	...	...	...	...	...
Chili (except Pekin) and Honan provinces ...	1 14	2 12	2 6	4 14	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 10	...	...	...	...	...
Kansu, Kirin and Pekin.	1 14	2 14	2 9	5 1	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 13	...	...	...	...	...
Hupeh province (except Laohoko and Siangyang)	1 4	2 11	2 6	4 14	2 1	2 12	2 9	3 4
Do. Govt. telegrams*	...	...	1 10	..	...	...	...	...
Laohokow, Siangyang ...	1 14	2 11	2 6	4 14	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 10	...	...	...	...	
Shansi and Shingking provinces...	1 14	2 13	2 7	5 0	2 8	3 3	3 0	3 11
Kweichow Szechuen provinces (except Chintn and Tichow) and Hainan...	1 4	2 13	2 7	5 0	2 1	2 12	2 9	3 4
Do. Govt. telegrams*	...	...	1 12	...	...	...	...	...
Chintu, Tichow	1 14	2 13	2 7	5 0	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 12	...	...	...	...	...
Shensi province	1 14	2 13	2 7	5 0	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 12	...	...	...	...	...
Helungkiang province ...	1 14	3 0	2 0	5 3	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 15	...	...	...	...	...
Eastern Turkistan ...	1 14	3 0	2 10	5 3	2 8	3 3	3 0	3 11
Do. Govt. telegrams*	...	...	1 15	...	...	...	...	...
Kwangsi province ...	1 4	2 10	2 4	4 13	1 12	2 7	2 4	2 15
Do. Govt. telegrams*	...		1 8	..	...	...	...	...
Kwangtung Province:—								
Canton, Whampoo ...	1 4	2 5	2 0	4 8	1 12	2 7	2 4	2 15
Do. Govt. telegrams*	...	...	1 4	...	...	...	...	...

* British (*not* Indian) and French Government messages only. (For application, see Note II at the head of this section.)

† A further charge of fourteen annas per telegram addressed to vessels anchored at Pagoda Anchorage and Sharppeak, respectively, must be paid by the sender.

To	Per word from India.							
	Via Bhamo.	*Via* Moulmein.	*Via* Madras.	*Via* Teherun —Amoor.	*Via* Moulmein—Hue.	*Via* Moulmein—Haiphong.	*Via* Madras—Hue.	*Via* Madras—Haiphong.
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
CHINA—								
Chuwen, Hoihow, Kaochow, Kiungchow, Limchow, Luichow, Onpao, Pakhoi, Phongching, Tunghing and Yamchow	1 4	2 10	2 4	4 13	1 12	2 7	2 4	2 15
Do. Govt. telegrams*	...	..	1 8	...	...	...	...	...
Other Offices	1 4	2 8	2 3	4 11	1 12	2 7	2 4	2 15
Do. Govt. telegrams*	..	...	1 7	...	...	...	...	...
Fokein † and Kiangsi provinces..	1 4	2 10	2 4	4 13	2 1	2 12	2 9	3 4
Do. Govt telegrams*	...	...	1 8	...	...	..	..	..
Yunan province	1 0	2 11	2 6	4 14	1 12	2 7	2 4	2 15
Do. Govt. telegrams*	...	..	1 10	..	...	..	...	..
Formosa	1 4	2 14	2 9	5 1	2 1	2 12	2 9	3 4
Do. Govt. telegrams*	...	...	1 13	...	...	..	..	...
Cochin China	2 5	1 3	1 7	5 15	...	..	..	...
Do. Govt. telegrams*	...	..	0 15	...	.	..	..	..
Siam	2 9	0 14	1 13	6 5	...	.	...	..
Do. Govt. telegrams*	...	...	1 5	..	..	..	..	..
Tonquin‡	2 2	2 0	2 4	4 14	...	..	..	..
Do. Govt. telegrams*	...	...	1 13	...	...	..	..	..
Corea—								
Binchong	...	3 10	3 4	5 13	..	..	..	..
Pingyang	2 0	3 10	3 4	5 13				
Binchong and Pingyang British (not Indian) Govt. telegrams ..	..	...	2 9	...	2 11	3 6	3 2	3 13
Chemulpo§	2 0	3 14	3 8	0 1				
Do. British (not Indian) Govt. telegrams ...	..	...	2 12	...				

* British (*not* Indian) and French Government messages only. (For application, see Note II at the head of this section.)

† A further charge of six annas and fourteen annas per telegram addressed to vessels anchored at Pagoda Anchorage and Sharppeak, respectively, must be paid by the sender.

‡ Private telegrams in Preconcerted language for Tonquin are only accepted subject to the Addressee producing his Code-Book or Vocabulary for inspection, or furnishing a translation, if required, at destination. Private Cipher telegrams cannot be accepted.

§ Telegrams intended for naval ships anchored off Chemulpo are subject to delivery charge of Rs. 2-4.

To	Per word from India.							
	Via Bhamo.	*Via* Moulmein.	*Via* Madras.	*Via* Teheran —Amoor.	*Via* Moulmein—Hue.	*Via* Moulmein—Haiphong.	*Via* Madras—Hue.	*Via* Madras—Haiphong.
	Rs. a.	Rs. a.	Rs. a.	Rs. a	Rs. a.	Rs. a.	Rs. a.	Rs. a.
COREA :—								
Echow	2 0	3 8	3 2	5 11				
Do. British (not Indian) Govt. telegrams.	...	...	2 7	...				
Fusan †	...	4 6	4 1	6 9				
Do. British (not Indian) Govt. telegrams..	...	...	3 5	...	2 11	3 6	3 2	3 13
Seoul (or Han Yang) ‡ ..	2 0	3 12	3 6	5 15				
Do. British (not Indian) Govt. telegrams.	...	...	2 11	...				
Japan	3 9	3 13	3 7	4 13	3 9	4 4	4 0	4 11
Do. Govt. telegrams*	...	...	2 14	..	...	...	...	...
DUTCH EAST INDIES—								
Bali, Celebes, Lombok, Madura Sumatra, Weh	...	2 10	2 2	6 11	...	...	..	...
Do. Govt. telegrams*	...	...	1 8	...	...	...	..	..
Java §	...	2 5	1 13	6 6	..	...	...	...
Java Govt. telegrams* ...	...	..	1 3	...	...	...	..	...
MALAY PENINSULA :—								
Malacca ‖	..	1 13	1 7	5 15	..	..	...	...
Malacca Govt. telegrams	..	..	0 14		..	..	...	...
Penang	..	2 2	1 7	6 3	..	..	...	...

* British (*not* Indian) and French Government message only. (For applicaction see Note II at the head of this section.)

† The above rates for Fusan are *via* Moulmein—Shanghai : *via* Madras—Shanghai and *via* Teheran—Amoor—Shanghai. Telegrams can also be sent *via* Moulmein—Japan at Rs. 5-0, *via* Madras—Japan at Rs. 4-10, and *via* Teheran—Amoor—Japan at Rs. 4-13.

Telegrams can be sent to Ginsery and Kyong by Express from Fusan at an additional charge per telegram of Rs. 18-0.

‡ The above rates for Seoul are *via* Moulmein—Shanghai : *via* Madras—Shanghai, and *via* Teheran—Amoor—Shanghai. Telegrams can also be sent *via* Moulmein—Japan at Rs. 5-10, *via* Madras—Japan at Rs. 5-5, and *via* Teheran—Amoor—Japan at Rs. 5-7.

GENZAN.

The following are the rates to Genzan : *via* Moulmein—Japan Rs. 5-12, *via* Madras—Japan Rs. 5-7, and *via* Teheran—Amoor—Japan Rs. 5-9.

§ For correspondence with Java *via* Medan (Sumatra) add five annas to Java rates.

‖ For correspondence with all Native States of the Peninsula of Malacca, the rates are the same as for Malacca. The Native States are Kinta, Perak, Selangor, Sungie-Ujong, and Telebu.

To	Per word from India.							
	Via Bhamo.	*Via* Moulmein.	*Via* Madras.	*Via* Teheran —Amoor.	*Via* Moulmein—Hue.	*Via* Moulmein—Haiphong.	*Via* Madras—Hue.	*Via* Madras—Haiphong.
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
MALAY PENINSULA:—								
Penang Govt. telegrams*	...	...	0 14	...	...	...	...	...
Singapore	...	1 12	1 7	5 13	...	...	...	...
Singapore Govt. telegrams*	...	...	0 14	...	...	...	...	...
NORTH BORNEO †—								
Labuan	...	2 6	1 13	5 8	...	...	...	...
Labuan Govt. telegrams*	...	...	1 2	...	...	...	...	...
MANILA AND PHILIPPINE ISLANDS	2 14	5 3	5 0	5 11	3 0	3 11	3 7	4 2
Do. Govt. telegrams*	...	...	2 12	...	...	...	...	...
Do. Spanish Govt. telegrams	...	...	3 10	...	...	...	...	...
Visayas Islands—Cebu, Negros and Panaj ‡	...	5 8	5 4	6 0	...	...	...	...

* British (*not* Indian) and French Government messages only. (For application, see Note II at the head of this section.)

† For messages to Sandakan and other offices in Borneo add three annas a word to Labuan rates, but telegrams for these places can only be accepted at Sender's risk.

‡ The following is a list of offices on the Islands of Cebu, Negros and Panaj belonging to the Phillippine group:—

Isle of Cebu.	Isle of Negros.	Isle of Panaj.	
Cebu.	Bacolad.	Banate.	Passi.
Toledo.	Cadiz.	Capiz.	Pototan.
Tuburan.	Escalante.	Concepcion.	San Joaquende de Buenavista
	Nuevo.	Damarao.	
		Iloilo.	San Jose de Buenavista.
		Panay.	

Private telegrams in the secret language for the Phillippines are not admitted.

Service telegrams in code or cipher to and from Phillippines are suspended.

CHARGES FOR TELEGRAMS TO OTHER PLACES IN ASIA.

NOTE.—The charges given below are from Offices in India. For charges from Offices in Burma, add two annas a word in all cases except *via* Bhamo, in which case deduct two annas a word.

To	*Via*	Per word from India. Rs.	a.
ADEN and PERIM	Bombay	2	1
Do. do.	Teheran—Batoum—El Arich	5	2
Do. do.	Teheran—Malta	5	6
BOKHARA	Teheran	2	14
Do.	Turkey	3	1
Do.	Suez	3	8
Do.	Suez—El Arich	4	7
CEYLON*		0	3
PERSIA† (except Persian Gulf Offices).	Bushire	1	12
Do. do.	Suez—El Arich	4	2
Do. do.	Suez London	4	2
PERSIAN GULF:—‡			
Charbar and Ormara‡	Karachi	0	8
Gwadur‡	Do.	0	11
Jask‡	Do.	1	1

* From Offices in Burma the charge to Ceylon is four annas six pies a word. Twelve annas boat-hire must be prepaid on telegrams intended to be delivered on board ships in Ceylon ports. In such cases the abbreviation XP, which is counted and charged for as one word, should be inserted before the Address as an indication that boat-hire has been prepaid.

† Telegrams for all places in Persia, except Bushire, Ispahan, Kirmanshah Meshed, Salmas, Shiraz, Tabriz (Tauris,) and Teheran, must be written in *French* or in *Persian*, (Roman characters) and in plain language.

N. B.—Bushire is now considered a Persian, and not a Persian Gulf, office.

‡ To Charbar, Ormara, Gwadur, and Jask, the local charge from Karachi only *via* Land Line is two annas a word.

From Jask telegrams can be sent as under:—

To Bassidore, Bunder Abbas and Lingah, at an express charge of Rs. 27-0 per message.

To Muscat at an express charge of Rs. 54-0 per message. In such cases "Express" or "XP" should be entered before the Address, and these extra charges must be prepaid by the sender.

Telegrams may also be sent to Bassidore, and Lingah from Jask or Gwadur, and to Muscat from Gwadur by fortnightly mail steamer. In such cases the words "Post Jask" or Post Gwadur must be added in the address, which words are charged for. For dates of departure of mail steamers, consult B. I. S. N. Co.'s Time Table. As these places are within the limits of the Indian Postal Tariff, no postage fee is leviable from the sender.

To	*Via*	Per word from India. Rs.	a.
RUSSIA, ASIATIC:—			
All places	Teheran	2	11
Do.	Bhamo Helampo	3	1
Do.	Suez—El Arich...	4	4
Do.	Turkey	3	4
Do.	Suez and Black Sea	3	5
Do.	Turkey—Fao Batoum ..	2	14
All places to the East of the meridian of Werk-hne-Oudinsk ... ...)	Moulmein—Japan	4	6
Ditto ditto	Madras—Japan	3	7
All places to the West of the meridian of Werk-hne-Oudinsk ... ...)	Moulmein - Japan	4	9
Ditto ditto	Madras—Japan	3	10
TURKEY IN ASIA*:—			
All places except those below	Fao	2	0
Do. ...	Teheran—Batoum	2	14
Do. ..	Suez	3	5
Do. ...	Suez—El Arich	3	6
Do. ..	Teheran—Odessa	3	7
Turkish Islands (except Cyprus)	Fao	2	2
Do. ..	Teheran—Batoum	3	0
Turkish Islands (except Cyprus)	Suez—El Arich...	3	8
Do. ...	Teheran—Odessa	3	7
Turkish Islands (Crete Chios, Lemnos, Tenedos and Rhodes)	Suez...	3	0
All other Islands (except Cyprus)	Suez	3	5
Cyprus	Fao...	2	2
Do.	Teheran—Batoum	3	0
Do.	Suez	2	8
Do.	Teheran—Odessa	3	7
Do.	Teheran—Malta	3	13
Jedda, Mecca, and other offices in Hedjaz	Aden	3	1
Do. ...	Turkey—El Arich	4	0
Do. ..	Teheran—Batoum—El Arich	4	14
Yemen, offices in†	Bombay—Aden..	2	9
Do.	Teheran—Batoum—El Arich	5	9
Do.	Teheran—Malta ..	5	13

* Private telegrams in secret language cannot be accepted.

† Telegrams for places in the interior or Yemen can be posted at Hodeida.

CHARGES FOR TELEGRAMS TO NORTH & CENTRAL AMERICA.

[NOTE.—The charges given below are from Offices in India. For charges from Offices in Burma, add two annas a word. "N. A. Cables" stands for "North Atlantic Cables," which includes the Cables of the Anglo-American Co., Commercial Cable Co., Direct United States Cable Co., Compagnie Française du Telegraphe, and Western Union Telegraph Company.]

To	Per word from India *Via* Turkey—N. A. Cables.	Per word from India *Via* Teheran *or* Suez—N. A Cables.
	Rs. a.	Rs. a.
BAHAMA ISLANDS:—		
Nassau	4 9	4 14
BERMUDA*	5 13	6 1
CANADA, Dominion of—		
Cape Breton, New Brunswick, Nova Scotia, Ontario and Quebec Provinces, Prince Edward's Island.	3 8	3 12
Columbia (British), North-Western Territories, Alberta, Assinoboia, Saskatchewan, Vancouver's Island	3 14	4 3
MANITOBA	3 14	4 3
Miquelon, Newfoundland, St. Pierre	3 8	3 12
UNITED STATES:—		
Alabama, Georgia, Illinois, Indiana, Kentucky, Michigan, Mississippi, North Carolina, Ohio, South Carolina, Tennessee, Virginia, Virginia-West, Wisconsin	3 11	3 15
Arizona, California, Idaho, Nevada, Oregon, Utah, Washington-Territory	3 14	4 3
Arkansas, Colorado, Dacotah, Indian-Territory, Iowa, Kansas, Montana, Nebraska, New Mexico, Oklahoma, Texas, Wyoming....	3 13	4 2
Columbia (District), Delaware, Maryland, Pennsylvania	3 10	3 14
Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	3 8	3 12
FLORIDA:—		
Key West*...	4 0	4 5
Pensacola	3 11	3 15
Other Offices	3 13	4 2
LOUISIANA:—		
New Orleans	3 11	3 15
Other Offices	3 13	4 2

* The rate to Key West *via* Turkey, N.A. Cables, Galveston, Jamaica, is Rs. 12-3 per word, and *via* Teheran or Suez, N. A. Cables, Galveston, Jamaica, Rs. 12 8.

Note.—Following telegrams are prohibited within Jurisdiction of United States, America—

(1) Spanish Government telegrams, except those addressed to Government of United States. (2) In Code or Cypher to or from West Indies, except Government telegrams other than Spanish telegrams named above. (3) All telegrams in plain language containing information hostile to United States during the war with Spain.

To	Per word from India.					
	Via Turkey—N. A. Cables.	*Via* Teheran *or* Suez—N.A. Cables.	*Via* Turkey—N. A. Cables—Galveston.	*Via* Teheran *or* Suez—N. A. Cables—Galveston.	*Via* Turkey—N. A. Cables—Key West—Jamaica—Panama.	*Via* Teheran *or* Suez—Key West—Jamaica—Panama.
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
MINNESOTA:—						
Duluth, Minneapolis, St. Paul Winona	3 11	3 15	...	...	...	...
Other Offices...	3 13	4 2	...	...	...	...
MISSOURI:—						
St. Louis	3 11	3 15	...	...	...	...
Other Offices	3 13	4 2	...	...	...	...
NEW YORK STATE:—						
Bay Ridge, Brooklyn, Flatbush, Fort Hamilton, Governors Island, Green Ridge, Long Island City, New Brighton, New Dorp, New York City, Port Richmond, Quarantine St George, Stapleton, Tompkinsville, West New Brighton, Yonkers...	3 8	3 12	...	...	...	...
Other Offices	3 10	3 14	...	...	...	...
CENTRAL AMERICA:—						
MEXICO:—*						
Altar, Banamichi, Chihuahua City, Guaymas, Hermosillo, Matamoras, Monterey, Sabinas, Saltillo, Sauz..	...	...	3 14	4 3	10 14	11 3
Mexico City, Tampico, Vera Cruz City	...	...	4 10	4 15		
Other Offices	...	..	4 12	5 1		

* Telegrams for San Salvador (except Libertad) are accepted only at Sender's risk.

To	Per word from India.					
	Via Turkey—N. A. Cables.	*Via* Teheran *or* Suez—N. A. Cables.	*Via* Turkey—N. A. Cables—Galveston.	*Via* Teheran *or* Suez—N. A. Cables—Galveston.	*Via* Turkey—N. A. Cables—Key West—Jamaica—Panama.	*Via* Teheran *or* Suez—Key West—Jamaica—Panama.
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
NEW JERSEY:—						
Hoboken, Jersey City (New Jersey)..	3 8	3 12	...	...	...	...
Other Offices	3 10	3 14	...	...	...	...
COSTA RICA*	...	...	5 14	6 2	10 6	10 10
GUATEMALA —						
San Jose	...	...	5 1	5 5	10 9	10 14
Other Offices	...	...	5 4	5 9		
HONDURAS* (Republic)	...	...	5 9	5 15		
NICARAGUA †—						
San Juan del Sur	...	...	5 11	6 0	10 6	10 10
Other Offices	...	...	5 14	6 2	10 6	10 10
SAN SALVADOR‡:—						
Libertad	...	...	5 6	5 11	10 9	10 14
Other Offices	...	...	5 9	5 14	10 9	10 14

* Telegrams for Costa Rica and Honduras are accepted only at Sender's risk. Telegrams for Costa Rica are subject to censure of the Government of Nicaragua.

† Telegrams for Nicaragua are subject to censure at San Juan Del Sur and accepted at Sender's risk.

‡ Telegrams for San Salvador (except Libertad) are accepted only at Sender's risk.

CHARGES FOR TELEGRAMS TO SOUTH AMERICA.

LISBON AND CADIZ ROUTES.

NOTE.—The charges given below are from Offices in India. From Offices in Burma, add two annas a word :—

To	PER WORD FROM INDIA.							
	Via Turkey—Lisbon. St. Vincent.	*Via* Teheran *or* Suez—Lisbon. St. Vincent.	*Via* Turkey—Cadiz—Teneriffe—Noronha.	*Via* Teheran *or* Suez—Cadiz—Teneriffe—Noronha.	*Via* Turkey—Malta—Teneriffe—Noronha.	Teheran *Via*——Malta. Suez—Teneriffe—Noronha.	*Via* Turkey—Falmouth.	Teheran *Via*——Falmouth. Suez
	Rs. a.	Rs. a	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
ARGENTINE REPUBLIC, PARAGUAY, URUGUAY*...	6 1	6 6	6 2	6 7	6 0	6 5	...	...
BOLIVIA*	7 6	7 10	7 6	7 10	...	...	...	...
BRAZIL:—†								
Pernambuco	5 5	5 10	5 6	5 11	5 4	5 9	...	...
All Other Offices	6 1	6 6	6 2	6 7	6 0	6 5	...	...
CHILI	7 6	7 10	7 6	7 10	...	...	...	...
COLUMBIA‡	11 15	11 10	11 6	11 11	...	...	...	...
EQUADOR‡	10 12	11 1	10 13	11 2	...	...	...	...
BRITISH GUIANA	12 0	12 5	11 15	12 3	...	...	...	...
DUTCH GUIANA	9 3	9 8	9 4	9 9	9 2	9 7	9 2	9 7
FRENCH GUIANA	8 9	8 13	8 10	8 14	8 7	8 12	8 8	8 13
PERU‡	7 6	7 10	7 6	7 10	...	...	...	...
Venezuela	11 3	11 8	11 2	11 6	...	...	...	...

* Telegrams for stations in Uruguay except Montevideo must be written in plain *Spanish*.

† Telegrams for all places in Brazil, except Pernambuco, for the Argentine Republic, for Paraguay and Uruguay, intended to be carried by the cables of the Western Brazilian Company, must be marked *via* Teneriffe—Noronha—Western, otherwise they will be farwarded over the Brazilian land lines.

‡ Telegrams for Bolivia, Columbia (except Buenaventura, Colon and Panama), Equador (except Guayaquil and Santa Elena), Peru (except Callao, Lima, Mollendo and Payta), and Venezuela (except Caracas and La Guayra) are accepted only at Sender's risk. Telegrams for Peru, except Payta, Chorrillos, Lima and Mollendo are subject to Government control. Telegrams for the interior of Peru must be in plain language,

CHARGES FOR TELEGRAMS TO SOUTH AMERICA.

ROUTES THROUGH NORTH AMERICA.

[NOTE I.—The charges given below are from Offices in India. For charges from Offices in Burma, add two annas a word. "N. A. Cables" stand for "North Atlantic Cables," which include the Cables of the Anglo-American Co., Commercial Cable Co., Direct United States Cable Co., Compagnie Francaise du Telegraphe, (P.Q.) and Western Union Telegraph Company.]

[II.—The charge for telegrams *viâ* Turkey is 5 annas less than that *viâ* Suez or Teheran.]

* Routes marked with an asterisk are the normal routes, *viâ* North America.

To	PER WORD FROM INDIA.						
	Via Teheran *or* Suez—N. A. Cables—New York—Haiti.	*Via* Teheran *or* Suez—N. A. Cables—Galveston.	*Via* Teheran *or* Suez—N. A. Cables—Galveston—Jamaica—Porto Rico.	*Via* Teheran *or* Suez—N. A. Cables—Key West—Jamaica—Panama.	*Via* Teheran *or* Suez—N. A. Cables—Key West—Haiti.	*Via* Teheran *or* Suez—N. A. Cables—Key West—Jamaica—Porto Rico.	*Via* Teheran *or* Suez—N. A. Cables—Galveston—Jamaica—Haiti.	*Via* Teheran *or* Suez—N. A. Cables—Bermuda.
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
ARGENTINE REPUBLIC	...	*6 6	...	12 8	9 3	15 7	...	...
PARAGUAY, URUGUAY*..	...	*6 6	...	12 10	9 3	15 7	...	...
BOLIVIA	...	*7 10	...	12 11	...	...	...	...
† BRAZIL: All Offices ... ... (Para. State.)	...	...	...	15 3	...	...	...	...
Soure, Mosqueiro, Pinheiro, Cameta.	...	7 8	...	...	9 6	14 9	...	...
Breves, Gurupa	...	7 10	...	...	9 8	14 11	...	...
Chaves, Macapa, Monte Alegre, Santarem	...	7 15	...	...	9 13	15 0	...	...
Alemquer, Obidos	...	8 2	...	...	9 15	15 2	...	...

(Amasonian State.)												
Parintins	...	8	4	...	...	10	2	15	5	...	...	
Itacoatiara	...	8	6	...	...	10	4	15	7	...	...	
Manaos	...	8	14	...	...	10	11	15	14	...	...	
Offices north of Rio de Janeiro, Northern and including Rio de Janeiro Central Regions	...	...		...	...	9	3	14	6	...	...	
Offices South of Rio de Janeiro Southern Region	...	...		...	...	9	13	15	0	...	...	
All other Offices	...	7	6	...	...	...		...		...	...	
BRITISH GUIANA...	10 8	...		14	13	12	6	*8	6	...	*8	6
CHILI	...	*7	10	...	12	6	...			...	...	
COLUMBIA ‡—												
Buenaventura	...	*7	3	...	...	...		...		...	...	
Isthmus of Panama	...	6	12	...	*6	12		...		...	6	12
Other Offices	...	*7	6	...	10	14		...		...	...	
DUTCH GUIANA	8 13	...		13	12	...		8	13	8	13	14 4 ...
EQUADOR	...	*7	10	...	11	5	...			...	...	
FRENCH GUIANA—												
Cayenne	9 1	...		16	8	...		9	1	12	6	14 14 ...
Other Offices	9 3	...		16	8	...		9	3	12	8	15 0 ...
PERU§	...	*7	10	...	12	0	...			...	...	
VENEZUELA	...	...		16	8	...		...		13	14	15 1 ...
Puerto Cabello, Maracaibo	9 6	...		...		...		9	6	...	...	
Other Offices	9 1	...		...		...		9	1	...	...	

* Telegrams for stations in Uruguay except Montevideo must be written in plain *Spanish*.

† The Galveston and Key West-Jamaica—Panama routes are closed for the present for traffic for Brazil.

‡ Telegrams for Columbia (except Buenaventura, Colon and Panama), and Equador (except Guayaquil and St. Elena) are accepted only at Sender's risk.

§ Telegrams for Peru (except Callao, Lima, Mollendo and Payta) are accepted only at Sender's risk. Tolegrans (or the interior of Peru must be in plain language.

NOTE I.—Telegrams in Code or Cipher, except State, from or to accredited Agents of Neutral States, are prohibited *via* Key West, all others must be in plain language, but if sense obscure these will be stopped under authority of Government United States, America.

NOTE II.—Private telegrams in Code or Cipher *via* Haiti prohibited by Government United States, America. Diplomatic telegrams are excepted.

CHARGES FOR TELEGRAMS TO THE WEST INDIES.

[NOTE I.—The charges given below are from Offices in India. For charges from Offices in Burma, add two annas a word. "N. A. Cables" stand for "North Atlantic Cables," which include the Cables of the Anglo-American Co., Commercial Cable Co., Direct United States Cable Co., Compagnis Française du Télégraphe (P. Q) and Western Union Telegraph Company.]

[NOTE II.—The charge for telegrams *via* Turkey is 5 annas a word less than that *viâ* Suez or Teheran.]

To	PER WORD FROM INDIA *via* TEHERAN OR SUEZ.									
	N. A. Cables—Key West Jamaica—Porto Rico.	N. A. Cables—New York—Haiti.	N. A. Cables—Key West—Haiti.	N. A. Cables—Galveston—Jamaica—Porto Rico.	N. A. Cables—Key West.	N. A. Cables—Galveston.—Jamaica.	N. A. Cables—Bermuda.	N. A. Cables—Galveston—Jamaica—Haiti.	Lisbon.	European Land lines—Cadiz—Teneriffe—Noronha.	Commercial—P. Q. Cables—Haiti.
	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.	Rs. a.
ANTIGUA	6 8	8 9	10 13	13 2	...	...	6 8	...	10 6	10 5	...
BARBADOES	6 12	8 14	10 12	13 4	...	...	6 12	...	10 11	10 10	...
* CUBA: All offices	...	6 10	...	...	...	...	...	...	...	...	..
Bayamo, Manzanillo	...	...	...	...	6 8	10 15	...	...	...	...	...
Chambaz, Dominquez, Piedras, San Nicolas ...	...	...	...	...	6 2	...	...	...	...	...	...
Ciego de Avila, Jucaro, Maron	...	...	..	...	6 2	11 2	...	...	...	...	...
Cienfuegos	...	...	...	...	5 11	11 5	...	...	...	...	..
† Caimanera	...	...	...	...	6 15	...	...	...	...	..	6 0
† Guantanamo (*via* Caimanera)	...	...	...	...	6 15	...	...	...	...	...	6 0
Havannah	...	...	...	...	5 1	12 0	...	...	...	...	...

| | | |

CHARGES FOR TELEGRAMS TO AUSTRALIA, TASMANIA AND NEW ZEALAND.

NOTE.—The charges given below are from Offices in India. For charges from Offices in Burma, add two annas per word *via* Madras and *via* Teheran to Amoor, and deduct two annas per word *via* Moulmein.

To	PER WORD FROM INDIA.		
	*Via** Moulmein	*Via* Madras.	*Via*† Teheran —Amoor.
	Rs. a.	Rs. a.	Rs a.
AUSTRALIA :—			
New Caledonia	5 6	4 6	8 2
Do. Government telegrams (French)	...	2 8	...
New South Wales	4 12	3 12	7 8
Do. Government telegrams‡... ...	...	2 6	...
Queensland	4 14	3 13	7 10
Do. Government telegrams‡	...	2 8	...
South Australia, and West Australia ...	4 10	3 10	7 6
Do. Government telegrams‡	...	2 4	...
Victoria	4 11	3 11	7 7
Do. Government telegrams‡	...	2 5	...
TASMANIA	5 2	4 1	7 13
NEW ZEALAND...	4 15	3 14	7 11

* As work is suspended at night on the lines in Siam, telegrams sent *via* Moulmein at night are liable to be delayed till morning.

† This route is duplicated east of Blagowestschenk by the junction of the Chinese and Russian land lines through Helampo and Blagowestschenk.

‡ British (not Indian) and French Government telegrams only, but see note II at the head of page 141.

List of Public Offices and Institutions.

Accountant-General, Mayo Road, New Secretariat.
Adelphi Hotel, Clare Road.
Adjutant-General of the Army, Esplanade and Poona.
Administrator-General, High Court, Mayo Road.
Advocate-General, High Court.
Agent for Gun Carriages, Lower Colaba.
Agent for Gunpowder, Kirkee.
Agent for Transports, Apollo Road.
Agra Bank, Esplanade Road.
Albion Place, Parel Road.
Albless Obstetric Hospital, Cruickshank Road.
Alexandra Girls' School, Waudby Road.
Alexandra Hotel, Frere Road.
Ambroli Mission Church, Girgaum Back Road.
American Mission, Byculla.
Apollo Hotel, Colaba Causeway.
Apollo Refreshment Rooms, Apollo Bunder.
Army and Navy Stores, Esplanade.
Arsenal, Lower Colaba.
Asiatic Society (Bombay Branch), Town Hall.
Assay Master of the Mint, Town Hall.
Assist. Adjutant-General of the Army, Town Hall.
Assist. Quarter-Master-General of the Army, Town Hall.
Attorney for Paupers, Medows Street.
Back Bay Swimming Bath, Back Bay.
Band Stand, The Cooperage.
Baptist Church, Bellasis Road.
Barracks (European Troops), Upper Colaba.
Barracks (Marine), Dhobi Talao.
Barrack Master, Military Store Lane.
Barracks (Native Lines), Paltan Road.
Bazaar Gate Police Station, Bazaar Gate Street.
Berkley Place, Parel Road.
Bible Society's Depot, Carnac Road.
Bombay Presidency Association, Ripon Club, Apollo Bunder.
B. B. & C. I. Railway Institution, DeLisle Road.
B. B. & C. I. Railway Offices, Queens Road.
B. B. & C. I. Railway Terminus, Lower Colaba.
B. B. & C. I. Railway Workshops, DeLisle Road.
Bombay Bank, Bank Street.
Bombay Charitable Eye and Ear Infirmary, Girgaum.
Bombay Club, Rampart Row.
Bombay Defence Works, Lower Colaba.
Bombay Diocesan Board of Education, Love Lane, Byculla.
Bombay Gazette Offices, Hornby Road.
Bombay Gymkhana Club, Esplanade.
Bombay Mint, Ballard Road.
Bombay Municipality, Esplanade Road.
Bombay Saw Mills, Victoria Road.

Bombay Scottish Education Society, Esplanade.
Bombay Telephone Exchange, Bank Street.
Bombay University, Mayo Road.
Bombay Water-Works, Rampart Row.
British India Steam Navigation Co.'s Dockyard, Mazagon.
Brigadier-General Commanding Bombay District, Town Hall.
Byculla Club, Bellasis Road, Byculla.
Byculla Fire Brigade Station, Parel Road.
Byculla Police Office, Parel Road.
Byculla Railway Station, Parel Road.
Byculla Schools, Parel Road.
Cama Hospital, Cruickshank Road.
Carnac Bunder, Frere Road.
Cathedral Boys' School, Hornby and Esplanade Roads.
Chamber of Commerce, Parsee Bazaar Street.
Chinchpoogly Fire Brigade Station, Cninchpoogly.
Chinchpoogly Railway Station, Chinchpoogly.
Chowpatty Police Station, Chowpatty.
Christ Church, Parel Road.
Church Gate Railway Station, Queen's Road.
Church Missionary Society, Girgaum.
Churney Road Railway Station, Queen's Road.
Civil Engineering College, Poona.
Civil Jail, Oomercarry.
Civil Paymaster, Mayo Road, New Secretariat.
Clare Road Police Station, Clare Road.
Clerk of the Crown, High Court.
Clerk of the Peace, Fort Police Court.
Colaba Depot, Middle Colaba.
Colaba Police Station, Lower Colaba.
Colaba Ry. Station, Lower Colaba.
Collector of Bombay, Customs House, Fort.
Collector of Income Tax, New Secretariat, Esplanade.
Collector of Municipal Taxes, Esplanade.
Collector of Salt Revenue, Custom House Road, Fort.
Collector of Salt Revenue, New Secretariat.
Columbia Skating Rink, Esplanade Road.
Commissariat Department, Town Barracks.
Commissariat Officer, Presidency, Town Barracks.
Commissary-General, Poona.
Commissary of Ordnance, back of the Town Hall.
Commissioner, Bombay Municipality, Esplanade Road.
Commissioner for taking Affidavits, High Court, Court House.
Commissioner of Customs, Salt, Opium and Abkari, near Town Hall.
Commissioner of Paper Currency, Esplanade Road.
Commissioner of Police, oppo. The Crawford Market Espl'de.
Common Jail, Dongri Street.
Consulting Engineer for Railways, P. W. Department, Esplanade.

Controller of Military Accounts, Poona.
Controller of Public Works Accounts, Esplanade.
Cook's Tourists Office, Esplanade Road.
Council Hall, New Secretariat, Esplanade.
County Gaol, Oomercarry.
Court of Petty Sessions, Presidency Police Office, Hornby Road.
Court of Small Causes, Picquet Road, Esplanade.
Cowasjee Jehangeer Ophthalmic Hospital, J.J. Hospital, Byculla.
Cowley Fathers' Mission House, Mazagon.
Crawford Market, Esplanade and Carnac Roads.
Criminal Jail, Oomercarry.
Cumballa Hill Hotel, Cumballa Hill.
Currency Office, Esplanade Road.
Currey Road Railway Station, Supari Bag Road.
Custom House, Custom House Road, Fort.
Dadar Railway Station (B. B. & C. I.), Dadar.
Dadar Railway Station (G. I. P.), Dadar.
David Sassoon Industrial and Reformatory Institution, Chunam Kiln Road, near Grant Rd.
David Sassoon Reformatory School, Chunam Kiln Street.
Deaf and Dumb Institute, Grant Road.
Debtors' Jail, Oomercarry.
Deccan College, Poona.
Deputy Surgeon-General of Hospitals (British Forces), Presidency Division, Apollo Road.
Deputy Surgeon-General of Hospitals, (Indian), Presidency Division, Town Hall.
Dhobi Ghat, Mahaluxmi.
Dhobi Talao Police Station, Dhobi Talao.
Diocesan Schools, Byculla, Mazagon and Colaba.
Director of Public Instruction, Poona.
Director of the Indian Marine, Apollo Road (Government Dockyard).
Dock Offices, Frere Road.
Dockyard (B. I. S. N. Co.'s) Mazagon.
Dockyard (Government), Apollo Road.
Dockyard (P. and O. Co.'s), Mazagon.
Duncan Road, Fire Brigade Station, Duncan Road.
Ecclesiastical Registrar, Mayo Road, High Court.
Education Society, Byculla.
Electric Telegraph Office, Frere Town, Esplanade.
Elphinstone College, Parel Road.
Elphinstone High School, Esplanade Cross Road.
Elphinstone College, Esplanade Road.
Elphinstone Road Railway Station, Carrol Road.
English Hotel, Hornby Road.
Equity Registrar, High Court, Court House.
Esplanade Hotel, Esplanade Road.
Esplanade Police Court, Cruickshank Road.
Esplanade Police Station, Cruickshank Road.
European General Hospital, Fort George.

European Pensioners' and Widows' Home, Grant Road.
Examiner, Public Works Accounts, Esplanade.
Executive Commissariat Office, Presidency Town Barracks.
Female Workshop, Falkland Road.
Fort Fire Brigade Station, Rampart Row.
Fort Gratuitous Dispensary, Nanabhoy Bomonjee Street.
Foundlings' Hospital, St. Joseph's, Oomercarry, Mount Road.
Framji Cowasji Hall, Dhobi Talao.
Free Church, Waudby Road.
Free General Assembly's Institution, Khetwady.
Freemasons' Hall, Clare Road, Byculla.
Freemasons' Hall (Scotch), Clare Road, Byculla.
French Bank, Esplanade Road.
Frere-Fletcher School, Esplanade Cross Road.
Gaiety Theatre, Hornby Road.
Gas Works, Chinchpoogly.
General Post Office, Church Gate Street.
Girgaum Mission Church, Dhanji Street.
Girgaum Police Station, Girgaum Back Road.
Goculdas Tejpall Hospital, Picquet Road, Esplanade.
Government Central Book Depot, Girgaum Back Road.
Government Central Press, Custom House Road.
Government Dockyard, Apollo Street.
Government House, Malabar Hill and Parel.
Government Medical Stores, Bellasis Road.
Government Solicitor (F. A. Little) Apollo Street.
Government Telegraph, Frere Town, Esplanade.
Government Telegraph Head Office, Mayo Road.
Government Work House, Clare Road.
Gowalia Tank Fire Brigade Station, Gowalia Tank Road.
Grand Arsenal, back of the Town Hall.
Grant Buildings, Colaba Causeway.
Grant Medical College, Byculla.
Grant Road Railway Station, Foras Road.
G. I. P. Railway Workshops, Parel.
Great Western Hotel, Apollo Street.
Grindlay, Groom & Co., Apollo Street.
Gun Carriage Factory, Lower Colaba.
Hawken's Hotel, Clare Road.
Health Officer, Bombay Municipality (Dr. Weir), Esplanade Road.
High Court, Frere Town, Esplanade.
Holy Trinity Church, Esplanade Road.
Hongkong and Shanghai Bank, Church Gate Street.
House of Correction, Clare Road, Byculla.
Ice House (Forbes'), Mody Bay.
Do. (Maharani), Armenian Lane.

Indo-British Institution, Esplanade.
Insolvent Debtors' Court, High Court, Mayo Road.
Inspector of Steam Boilers, Customs House, Apollo Street.
Inspector-General of Ordnance and Magazines, Poona.
Imperial Hotel, Dalal Street.
Jamsetjee Jejeebhoy Parsee Benevolent Institution, Hornby Road.
Jamsetjee Jejeebhoy Hospital, Byculla.
Jamsetjee Jejeebhoy School of Arts and Industry, Esplanade.
John Connon School, Esplanade Road.
Judge Advocate-General's Office, Poona.
Khetwadi Police Station, Khetwadi.
King, King & Co., Hornby Road.
Legislative Council Hall, New Secretariat.
Lepers' Home, Matoonga.
Light House, Upper Colaba.
London Hotel, Grant Road.
Lunatic Asylum, Upper Colaba.
Madhav Bagh, Cowasji Patel Tank.
Mahaluxmee Battery, Warden Road.
Mahaluxmee Railway Station, Mahaluxmee.
Mahaluxmee Swimming Bath, Mahaluxmee.
Mahim Fire Brigade Station, Mahim.
Mahim Police Station, Mahim.
Mahim Railway Station, Mahim.
Marine Lines Railway Station, Queen's Road.
Marine Storekeeper, Government Dock, Apollo Road.
Master Attendant, Dockyard, Fort.
Master in Equity, Court House.
Mazagon Bunder, Mazagon.
Mazagon Police Court, Mazagon.
Mazagon Police Station, Mazagon.
Medical and Military Retiring Fund, Poona.
Medical and Physical Society of Bombay, Grant Medical College.
Medical Storekeeper, Bellasis Road, Byculla.
Meteorological Observatory, Upper Colaba.
Methodist Episcopal Church Lansdowne Street, Apollo Bunder.
Methodist Episcopal Church, Grant Road.
Military Accountant, Poona.
Military Examination Committee, Town Hall.
Military Fund, Poona.
Military Sanitarium (Officers'), Esplanade.
Military Sanitarium (Soldiers'), Colaba.
Mint Master and Mint Engineer, Mint.
Morley Hall, Upper Colaba.
Money Order Office, Post Office.
Money School, Carnac Road.
Municipal Commissioner's Office Esplanade.
Municipal Offices, Esplanade Road.
Municipal Workshop, Boree Bunder.
Municipal Workshops, Paltan Road.
Musjid Bunder Railway Station, Dongri Street.

National Bank, Esplanade Road.
Northbrook Gardens, Grant Road.
Novelty Theatre, Hornby Road.
Observatory, Upper Colaba.
Officer's Sanitarium, Middle Colaba.
Oriental Bank, Esplanade Road.
Oriental Govt. Security Life Insurance Co., Hornby Road.
Official Assignee, Court House.
Ophthalmic Hospital, Byculla.
Oriental Translator to Government, Secretariat.
Paidhowni Fire Brigade Station, Op. Sir J. J. Hospital.
Paidhowni Police Station, Paidhowni.
Paper Currency Office, Esplanade Road.
Parel Ry. Station (B. B. & C. I.) DeLisle Road.
Parel Railway Station, (G.I.P.)
Parsee Orphanage, Parel Road.
Paymaster of Pensions, Town Barracks.
Pay Office—Civil, New Secretariat, Mayo Road.
Pay Office—Military, Town Barracks.
Pedder Market, Mazagon.
P. & O. Co.'s Dockyard, Mazagon.
P. & O. Co.'s Offices, Rampart Row.
Picket Police Station, Carnac Road.
Pinjrapole, Cathedral Street.
Police Hospital, Mazagon.
Police Courts, Esplanade and Girgaum Back Road.
Port Officer, Government Dock, Apollo Road.
Port Trust Office, Ballard Road.
Port Storekeeper's Office, Wari Bunder Road.
Presidency Audit, Pay, Leave and Allowances, New Secretariat, Esplanade.
Presidency Surgeon, 1st District, Malabar Hill.
Presidency Surgeon, 2nd District, Marine Lines.
Presidency Surgeon, 3rd District, Mazagon.
Prince's Dock, Mazagon.
Prothonotary, High Court, Court House.
Public Works Offices, Eldon Road.
Quartermaster-General, Poona.
Race Course, Mahaluxmee.
Railway Department, Public Works Building, Frere Town, Esplanade.
Railway (G. I. P. Railway)—
- Agent, Victoria Terminus.
- Traffic Manager, Victoria Terminus.
- Locomotive Superintendent, Parel.
- Chief Resident Engineer, Victoria Terminus.
- Storekeeper, Parel.
- Electric Telegraph Department, Victoria Terminus.

Railway (B. B. & C. I. Railway and Rajputana-Malwa)—
- Agent, Church Gate Street.
- Traffic Manager, Church Gate Street.
- Locomotive Superintendent, Parel.
- Chief Resident Engineer, Church Gate Street.
- Storekeeper, Colaba.
- Electric Telegraph Department, Colaba.

Registrar of Assets and Estates.
Military Department, Secretariat.

Registrar of the Diocese, Medows Street.
Registrar-General, High Court, Mayo Road.
Registrar H. M.'s High Court of Judicature, Court House.
Registrar and Receiver of Droits of Admiralty, High Court, Mayo Road.
Registrar of Shipping, Dockyard.
Report Office for the Arrival and Departure of Military Officers, Town Hall.
Report Office for Civil, New Secretariat.
Reuter's Telegram Company, Medows Street.
Robert Money Institution, Esplanade.
Riding School, Chowpatty.
Roman Catholic Cathedral, Medows Street.
Roman Catholic Convent, Dadar Road.
Roman Catholic Orphanage, Bandora.
Roman Catholic Seminary, Byculla.
Royal Asiatic Society, Town Hall.
St. Andrew's Kirk, Apollo Street.
St. Anne's Church, Nesbit Lane.
St. John's Church, Middle Colaba.
St. Mary's Chapel, Medows Street.
St. Mary's Schools, Nesbit Lane.
St. Nicholas' Church, Frere Road.
St. Paul's Church, Kamathipura.
St. Peter's Church, Mazagon Rd.
St. Peter's Schools, Do.
St. Thomas' Cathedral, Church Gate Street.
St. Vincent's Home, Kalbadevi.
St. Xaviers' College, Carnac Road.
Sailors' Home, Apollo Bunder Road.
Sakarbai Animal Hospital, Parel, Government House Road.
Sanitary Commissioner of Bombay Presidency, New Secretariat, Mayo Road.
Sassoon's Dock, Lower Colaba.
Sassoon's Mechanics' Inst., Esplanade Road.
Sassoon Mechanics' Institute, Rampart Row.
School of Arts, Hornby Road.
Scottish Orphanage, Mahim.
Scottish Schools, Hansraj Lane, Byculla.
Scottish Schools, Esp'anade Road.
Seamen's Institute, Frere Road.
Seamen's Rest, Frere Road.
Seamen's Friend Association, Lower Colaba.
Secretariat, Mayo Road.
Sewree Cemetery, Sewree Road.
Sewree Fort, Sewree Road.
Shepherd's Alms-house for Widows, Byculla.
Sheriff, High Court, Mayo Road.
Shipping Office, Bazaar Gate St.
Shipping Master, Town Barracks.
Sion Railway Station, Sion.
Sir Jamsetjee Jejeebhoy Obstetric Institution, Byculla.
Sirdar's Mansions, Apollo Bunder.
Small Causes Court, Carnac Rd.
Society for Promoting Christian Knowledge, Church Gate Street.
Society for the Propagation of the Gospel, Esplanade.
Society for the Prevention of Cruelty to Animals, Bank Street.
Society of St. Vincent de Paul, Kalbadevi.
South British Fire Insurance, Co., Apollo Street.
Stamp Office, New Secretariat, Esplanade.
St. Mary's Institute, Nesbit Road, Byculla.

Standard Life Assurance Co., Hornby Road.
Strangers' Home, Mazagon.
Students' Literary and Scientific Society (Elphinstone Institution,) Esplanade Cross Road.
Superintendent of Bombay Marine Dockyard, Fort.
Superintendent, Government Telegraphs, Frere Town, Esplanade.
Superintendent, Preventive Service, Custom House.
Superintendent of Stationery, New Secretariat, Esplanade.
Superintendent of Vaccination, Byculla, Kalbadevi, and Girgaum Road.
Surgn.-Genl., British Medical Service, Town Hall.
Surgn.-Genl., Indian Medical Department, Town Hall.
Surveyor to the Municipality, Rampart Row.
Surveyor to the Port, Dockyard.
Taylor's Hotel, Esplanade Road.
Taxing Officer, High Court, Court House.
Temple Bar Hotel, Rampart Row.
Towers of Silence, Gibb's Road, Malabar Hill.
Town Hall, opposite Elphinstone Circle.
Tract and Book Society's Depository, Esplanade.
Tract Society, Carnac Road.
Transport Officer, Dockyard.
University Registrar, Esplanade.
Vice-Admiralty Court, High Court.
University Gardens, Mayo Road.
University Hall, Mayo Road.
University Library, Mayo Road.
Victoria Dock, Frere Road.
Victoria Hotel, Waudby Road.
Victoria Hotel, Frere Road.
Victoria Museum and Gardens, Parel Road.
Victoria Technical Inst., Parel Road.
Victoria Terminus, Hornby Road.
William Waston & Co., Army Agents, Hornby Road.
Wilson's College, Chowpatty.
Wesleyan Methodist Church, Parel.
Wesleyan Methodist Church, Colaba Causeway.
Worlee Pumping Station, Worlee.
Yacht Club, Apollo Bunder.
Young Men's Association, Hill Road, Bandora.
Young Men's Christian Association, Colaba Causeway.

Leading Mercantile Firms in Bombay.

EUROPEANS.

Alcock, Ashdown & Co., Ld., Engineers, Iron Founders and Contractors, Mazagon and Carnac Iron Works, Bank Street and Elphinstone Circle.
Isaac Alcock, Secy. & Manager.
J. W. Hepworth, do.

Corresponding Firms.

P. Harrower, 134, Bath Street, Glasgow.

Aldridge, Salmon & Co., Ld., Merchants, 29, Esplanade Road.
J. E Dudley, Director, London.
C. Smith, do. do.
E. F. Allum, General Manager.
R. E. Boharucha, Asst. Manager.

Corresponding Firm.

Aldridge, Salmon & Co., Ld., London.

Army and Navy Co-operative Society, Limited, Apollo Street, Fort.
Major A. Hildebrand, late R. E., General Manager.
Branches :—London, Plymouth and Karachi.

Asquith and Lord, Tailors and Outfitters, Sirdar's Palace, Apollo Street.
F. Asquith, Bombay.
C. W. Richardson, Bombay.
A. J. Evans, Assistant.
G. E. Fry, do.

Corresponding Firms.

A. Baxter & Co., Oxford Street, London, W.

Badham, Pile & Co., Ld., Civil, Naval and Military Outfitters, Ladies' and Gents' General Outfitters, Saddlers and Harness Makers, Boot and Shoe Makers and General Importers, Rampart Row.
E. Bollam, General Manager, Bombay.

Corresponding Firms.

Badham, Pile & Co., Ld., Poona and Secunderabad.

Bauer and Krause, Merchants, Commission Agents, Dalal Street.
O. Bauer, Leipzig.
P. Hofmann, signs *per pro.*

Corresponding Firms.

Bauer and Krause, Leipzig, East India Merchants and Commission Agents.

Bell, William M., Merchant, Albert Buildings, Hornby Road.
W. M. Bell, Sole Proprietor.

Bertie-Smith & Co., Wholesale and Export Drug, Merchants, East India Agents, 23, 25, 27, 29 and 31, Apollo Street, Branch House, Cashmere Gate, Delhi.
J. S. Smith, Partner, Bombay.
W. S. Smith, do. do.
W. A. McLaughlan, Travelling Agent.
H. G. Harris, Assistant.
R. E. C. Mawary, do.
A. Monohan, do.
J. O'Neil, do.
R. W. Steed, Assistant, Delhi.
V. Thorburn, do. do.

Corresponding Firms.

Bertie-Smith and Co., Delhi.
Evans, Lescher & Webb, Wholesale Druggists, London.
J. & E. Atkinson, Old Bond St., London.
Clayton & Jowett, Concert Street, Liverpool.
Faulberg, List & Co., Salbke, Westerhausen, Germany.
Maison Mallie, Filters, Faubourg Poissoniere, Paris.
Terrol Limited, London.
John W. Dobson, Barnsley, England.
British American Ball Nozzle Co., London.
Meiffie and Co., Paris.

Berends, Geo. A. F., Merchant, Sole Representative in the East for Heinr. Ad. Meyer, Ivory Import and Export Merchant, Head Office and Steam Factory, Hamburg and Germany, and Old Secretariat, corner of Hummum Street and Apollo Street, Fort, (Brazilian Vice-Consulate).

Corresponding Firms.

London Agency—Westendarp & Co., Aldgate, London, E.C.
Branches—Paris, Berlin, Vienna, New York and Zanzibar.

Bicknell, Merwanji and Motilal, Solicitors, 79, Medows Street.

H. Bicknell.
Merwanji Kaikhusro Alpaiwalla, Notary Public, B.A., LL.B.
Motilal Tribhovandas Fouzdar, B.A., LL.B.

Agents.

Payne & Lattey, Solicitors, London.
Burder & Janion, Solicitors, Manchester.
E. C. Petgrave, Solicitor, Bath.
Nanabhai Chanjibhai, Pleader, Karachi.

Birkmyre Bros., Jute Manufacturers and Merchants, Elphinstone Circle.

W. M. Campbell, London.
H. Alexander, do.
H. Birkmyre, Glasgow.
James Birkmyre, do.
John Birkmyre, do.
W. Birkmyre, do.

Corresponding Firms.

Birkmyre Bros., Calcutta and Serampore.
Gonrock Ropework Co., Greenock and Port Glasgow.
Lanark Spinning Co., Lanark, Scotland.
New Howe Machine Co., Ld., Glasgow.

Blascheck (A.) & Co., Merchants, Old Secretariat, Apollo Street and Hummum Street, Fort.

L. A. Blascheck, Europe.
C. Th. Meili, do.
J. Tintner, Bombay.
K. Pressel, signs *per pro.*
H. Blascheck, do.
G. F. Kichner, Assistant.

Corresponding Firm.

A. Blascheck & Co., Frankfort.

Bombay Cycle Agency, (by special appointment to H. E. the Governor of Bombay) No. 1, Church Gate Street, Fort, Bombay. Also at East Street, Poona; Commercial Buildings, Lahore; Kaiserguni, Ajmere; Elphinstone Street, Karachi; James Street, Secunderabad; &c., &c.

Bombay Type-Writing Co., General Agency for all Typewriters in London and New York Markets, Trainers of Shorthand and Type-writing, 13, Hornby Road, Fort, Bombay.

Braize, P. J., F.C.S.S., Managing Proprietor.

Bourne and Shepherd, Photographers, 19, Esplanade Road.

C. Simmonds, Manager, Bombay.
W. W. Baker, Operator, do.
B. C. Lindsay, Calcutta.
C. Siever, do.
K. Murray, Cand Simla.
J. J. Riddlesdale, do.
H. Hentchel, do.

Bradley & Co., Chemists, Pharmacists, Wine, Spirit and General Merchants, Parel Road, Byculla, Bombay.

Bromley (late Bromley and Walton) (Dental Surgeons), Corner of Dean Lane and Hummum Street, and 2, Civil Lines, Poona.

H. Bromley (late Bromley and Campbell).

Corresponding Firms.

H. Pedlar, L.D.S., Chowringhee, Calcutta.
G. W. Rutterford, 11, Poland Street, Oxford Street (Dental Depot), London.

Brooks & Co., Brokers, Green Street, Fort.

J. C. Brooks, Partner, Bombay.
G. H. Brooks, do. do.

Brown (R. S.) and Co., Solicitors and Proctors, High Court, and Notaries Public, 2, Green Street.

R. S. Brown, Bombay.

Corresponding Firms.

Hores & Pattisson, 52, Lincoln's Innfields, London, W. C.
Sanderson & Co., Calcutta.
Barclay and Morgan, Madras.

Brown (Charles) & Co., Consulting Engineers and Machinery Agents, and Mill Store Suppliers, 11, Forbes Street, Fort.
C. Brown, Bombay,
A. Brown, do.
Corresponding Firms.
Robey & Co., Fullerton, Hodgart and Barclay, Ld.
Sole Agents for—
A. Anderton & Co., Accrington.
Trictionless Engine Packing Co., Ld., Manchester.
Price's Patent Candle Co., Ld., London.
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W. Charpie, signs *per pro.*
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Pitt and Scott, London and Liverpool and New York.
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A. J. Combridge, Proprietor.

Corresponding Firm.
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G. E. Howse, Manager.
J. H. Robinson, signs *per pro.*
H. Ketchlee, do.
H. Gawthorne, Assistant.
S. Curry, do.
A. W. Phillips, do.
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R. G. Cobham, do.
W. J. Treacher, do.
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R. Ditmar, 54, Radha Bazar, Calcutta.

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John Watson & Co., 34, Fenchurch Street, E.C.

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Agrippina Insurance Company.
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Insurance Co. of Berlin.
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M. de P. Webb, Manager, Karachi.
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F. D. Gaddum, do.
E. Schoen, signs the firm.
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D. Graham, C.I.E., do.
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J. B. Paterson, Europe.
J. McInnes, do.
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C. Heiniger, Sole Proprietor.

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P. A. Herford, Manchester.
G. A. Tomkinson, do.
C. E. W. Gaddum, signs the firm.
G. E. Schofield, signs *per pro.*, Bombay.
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Herford and Tomkinson, Manchester.

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F. Ramsay, Assistant.
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J. G. Bendien, signs *per pro.*, Bombay.
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A. Beyer, signs *per pro.*, Karachi.

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Pick, Lange & Co., Amersfoort.
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D. M. Hamilton, do.
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J. Leontsini, Assistant.

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H. Burnay & Co., Lisbon.
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J. Sinclair, Durban.
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Cowasji Dinshaw & Bros., Aden.
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The Alexandria Bonded Warehouse Co., Alexandria, Suez and Port Said.
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Tribhowan Girdhar Thar, do.
Keshowlal Maneckchund, do.
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Muraglia (F.) & Co., Merchants, Apollo Bunder.
Hajee Sulleman H. Wahed.
Jamnadas Bhugwandas.

Corresponding Firm.

F. Muraglia & Co., Carrara & Italy.

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A. Murcott, Europe.
A. W. Price, Birmingham.

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A. Murcott & Co., Birmingham.

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W. H. Nebel, Leipzig.
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R. R. Owen, do.
G. McLaren, do.
W. J. A. Foulkes, signs *per pro.*
O. G. Owen, Assistant.

Corresponding Firm.

Okell and Owen, Liverpool.

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R. Gilbert, Bombay.
The Hon'ble R. M. Sayani, Bombay,
H. A. H. Payne, Bombay.
Corresponding Firm.
Messrs, Payne & Lattey, 27, Leadenhall Street, London, E.C.

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Rogers & Co., for Harper, Boulton & Co., London, Wine Merchants; Hayward, Tyler & Co., Sodawater Machine Makers, London; and Calvert & Co., Manchester, Carbolic Acid and Disinfecting Powder Manufacturers; Hornby Road.

Shallis, F. W., Sole Agents for Nasmyth Wilson & Co., Cotton Press Makers; Pulsometer Engineering Co., Pumps Machinery Makers; Ransomes, Sims and Jefferies; Agricultural Engineers; Greenwood and Batly, Oil Mill Makers; Titlo Bros.; E. H. Kellogg & Co.; W. G. Bagnall, Ld., Henry Pooley & Sons, Brabby & Hinchcliffe; C. Dackering; Cocker Bro. & Co., Steel Manufacturers; 9, Bank Street, Fort.

Sorabjee Shapurjee & Co., Sole Agents for John Musgraves & Sons, Ld., Engineers &c., Bolton; Brooks & Doxey, Cotton & Woolen Machinists, Manchester; Ashworth Bros., Manufacturers and Patent Flat Revolving Carding Engines and Cards, Manchester; Butterworth & Dickinson, Weaving Machinists, Burnly; Joseph Stubbs, Reel Manufacturers, Manchester; Hanson, Scott & Co., Manufacturers of Diving Ropes &c., Stockport; F. Reddaway & Co, Camel Hair Belting and Fire Hose Makers, Manchester; Witter & Sons, Patent Automatic Sprinklers, Manufacturers, Bolton; H. F. Cockett, Belting Manufacturers, Cleckheaton; J. G. Garland, Riddoford, Marine, U. S., America, Makers of Patent Humidifiers for Cotton & Weaving Mill; Khetwady Cross Lane and 10 Medows Street, Fort.

Thornett, A., for Connard W. Schmidt, Manufacturer of Varnish, Enamels, Paints, Colours, &c., Stratford, London; 19, Elphinstone Circle.

Treacher & Co., for M. B. Foster & Sons, London, Bottlers of 1st quality Bass's India Pale Ale; F. Giesler & Co.'s Champagne; and John & Ch. White & Co., Wine Merchants, London; Esplanade, Road and Byculla.

Turner, Morrison & Co., for Asiatic Steam Navigation Co., Ld., and the Bombay Patent Stone; Custom House Road.

Watson (William) & Co., Army & Civil Agents; Hornby Road.

Western India Trading Co., Agents for Grimault & Co., Dr. Lalor's Phosphodyne; Guyot's Tar Solution; Bright's Phosphodyne; Medows Street.

Zanella, (C.) for Austrian Lloyd's S. N. Co., Elphinstone Circle.

ARCHITECTS, CIVIL ENGINEERS, AND SURVEYORS.

Alcock, Ashdown & Co., Carnac Iron Works and Mazagon.

Babajee Gopal, David Sassoon's Office, Forbes Street.

Calac, A., B. S. C. L. C. E., Church Gate Street.

Campbell & Hewson, Hummum Street.

Crawford, A. A., Bell Lane.

Fern, E. W., Nawab's Bungalow, Nesbit Lane.

Hate, Sadashiv Harischandraji, L.C.E., Meadow Street.

G. S. Gokhale, L.C.E., Forbes Street.

Gostling & Morris, Dalal Street.

K. R. Wacha, Church Gate Street.

Latimer, J. H., & Co., Forbes Street.

Manchershah Dorabji Daroovala, Mechanic Turner, Khambatta Lane, Khetwadi.

Pavri and Raghunath, Medows Street.

Penker Samuel Samson, L.C.E., Hornby Road.

Richardson and Cruddas, Byculla.

Rustomji Pestonji Bharoocha, Engineer, Khambatta Lane, Khetwadi.

Scott, J., & Co., Forbes Street.

Shallis, F. W., Marine Street.

Shapurjee and Munchershaw Nusserwanjee Chandabhoy, Victoria Buildings.

Silva C. de, Church Gate Street.
Stevens, F. W., C.I.E., F.R.I.B.A., A.M.I.C.E., Green Street, Fort.
Vithal Purshotam & Co., Khetwady Lane.

ATTORNEYS, SOLICITORS, AND PROCTORS.

Ardeseer, Hormusjee and Dinshaw, Sirdar's Buildings, Hummum Street.
Bhaishanker and Kanga, Albert Buildings, Hornby Road.
Balcrishna and Dikshit, Church Gate Street.
Balcrishna Vasudev Narayen Kirtiker, Church Gate Street.
Bicknell, Merwanjee and Motilal, Medow Street.
Bland and Noble, Medows Street.
Captain and Vaidya.
Chalk, Walker and Smetham, Church Gate Street.
Chitnis, Motilall and Malvi, Hummum Street.
Craigie, Lynch and Owen, Standard Buildings, Hornby Road.
Crawford, Brown, Bayley and Dunlop, Esplanade and Eldon Roads.
Daphtary and Ferreira, Medows Street.
Darashaw Bezonjee Mehta.
Dhondoo Shamrao Garud, Solicitor, Eldon Road.
Dikshit and Dhanjishaw, Hornby Road.
Edgelow & Gulabchund, Esplanade Road.
Framjee Dorabjee Bharucha.
Framjee Moos, and Mehta, Hornby Road.
Furdooji Palanji Pavri, Tamarind Lane.
Hemming, H. J. R., Hornby Road.
Hiralal Dharamdas Saranja.
Hiralal Dinshaw and Rustomji, Church Gate Street.
Janardhan and Ardesir, Oak Lane.
Janardhan Gopal Mantri, Girgaum.
Jehangeer Dorabjee Neemuchwalla Church Gate Street.
Jemsetjee Cursetjee Cama, Bell Lane.
Kashinath Janardhan Mantri, B.A., Hummum Street.
Khunderao Morojee, and Shreepad Medows Street.
Khurhedjee Dhunjeebhoy Shroff, Hornby Road.
King and Cama.
Little, Smith, Nicholson, Bowen and Acworth, Apollo Street.
Macfarlane and Hemming, Bell Lane.
Madhavji Virji, Apollo Street.
Maganlal and Rustomjee, Medows Street.
Mansukhlal, Damodhur and Jamsetjee, Medows Street.
Mathubhai and Jamietram, Bell Lane.
Mirza Hooseinkhan, Medows Street, Fort.
Moreshwur Laksmonjee, Medows St.
Muljee and Raghavjee, 9, Hornby Rd.
Nanu and Hormusjee, Medows Street.
Payne, Gilbert and Sayani, Esplanade Road.
Pestonjee, Rustim & Kola, Medows St.
Roughton and Byrne, Tamarind Lane.
Shamrao Pandoorang, Forbes Street.
Smith, F. Y. Apollo Street.
Sorabjee and Jehangir, Medows St.
Thakurdas, Dharamsi and Cama, Esplanade Road.
Turner, C. A., Apollo Street.
Turner, A. F., Hummum Street.
Tyabjee, Dyabhoy Pakvasa and Chandulal, Esplanade Road.
Wadia and Ghandy, 19, Church Gate Street.
Wilkin, E.

AUCTIONEERS AND COMMISSION SALE ROOMS.

Bennett & Co., Apollo Road.
Crawford & Co., Marine Street.
Hormusjee Bezonjee and Co., Forbes Street.
Mehrjee, Johnston & Co., Medows Street and Forbes Street.
Menesse & Co., Hummum Street.
Ramaya Venkaya, Camateepoora.
Readymoney, A. and Co., Bank Street.
Sadanand Shricristnajee & Co., Forbes Street.
Shriff, Son & Co., Apollo Road.
Sorabjee Cowasjee & Co., Medows Street.
Venkoo Balloojee, Camateepoora.

AVERAGE STATERS.

Cornforth, J. P., Hummum Street.
Lidbetter & Co., Average Adjuster and Notary Public and Accountants, Hummum Street.
Mackintosh (Jas.) & Co., Elphinstone Circle.

BARRISTERS-AT-LAW.

Abdulla R. Sayani, Eldon Road.
Ahmed R. Sayani, Eldon Road.
Anderson, J. C., High Court.
Ardeshir B. Kapadia, Medows Street.
Ardesir Kawasjee Settna, High Court.
Atkinson, G., Medows Street.
Aun Alli Abdul Alli, Hornby Road.
B. M. Kolah, Medows Street.
Badrudeen Tyabjee, High Court.
Bal Mangesh Waglé, M.A., LL.B., 29, High Court.
Branson, R., High Court.
Chitty, C. W., High Court.
Chhottabhai Khandubhai Desai.
Chunilal Harilal, Setalvad.
Chunilal Narbheram Thakor.
Clery, A., Q. C.
Cline, G. W., L.L.D., High Court.
Dadabhoy Mancherji Colah.
Dady Hormusji Dadabhoy.
Dalgado, E. P. A.
Daly, A., Eldon Road.
Damodar Venayek, Kirtane.
Dinshaw D. Davur, Eldon Road.
Dorabjee Nusserwanjee Bahadurji.
Framjee R. Vicajee, B.A., LL.B., 29, Medows Street.
Framroze M. Settna.
Furdonjee Pestonjee Jehangir Taleyarkan.
G. S. Manker, Eldon Road.
Ganpat Sarvottum Manker, Esplanade Cross Road.
Gibbons, Francis.
Gonne, Henry, High Court.
Hafiz Maniruddin Ahmed.
Hormus Lascari, B.A.,
Inverarity, J. D., High Court, Ground Floor.
Jamsedjee Behiramji Kanga, Karelwadi.
Jamsetji Jivanji Gujdar, M. A., Fort.
Jametram Nanabhoy, Fort.
Jardine, M. R., High Court, Eldon Road.
Jehangir Khursetji Cama.
Jejeebhoy E. Mody, Medows Street.
Kaikhusru Edulee Ghamat, Fort.
Karsondas Chubildas, Eldon Road.
Kashinath Parashram Gadgil.
Keshav Gunesh Despande.
Kirkpatrick, H. C., High Court.
Lang, B., High Court.
Latham, F. L., High Court.
Lowndes, G. R., Eldon Road.
Lynch, C. B., High Court.
M. B. Dadabhoy, Church Gate Street.
M. K. Lalkha, Hornby Road.
M. N. Craustoum, B.A.
Macleod, Norman.
Macpherson, J., Esplanade Road.
Maneck Pestonjee Asavad.
Maneckjee Byramjee Dadabhoy.
Mancherji Kharsedji Lalkaka.
Mehandas Karamchand Gandhi.
Melsheimer, Rudolph E.
Mir Amir Ali.
Muncherjee Dadabhoy Dadysett.
Muncherjee Merwanjee Bhownaggree, Breach Cady, Warden Road.
Murzban Muncherjee Murzban.
Navroji Pestonji Cama, Mazagon.
Nawabzadah Nusrulla Khan.
Naylor, C. J., High Court, Eldon Road.
Nowrojee Rustomjee Motabhoy, High Court.
Nusrulla Khan.
Nusserwanji Pestonji Cama, Mazagon.
Pestonji Jamasji Padshah, M.A., Fort.
Pestonji Sorabji Kotval, Fort.
Pherozeshah M. Mehta, M.A., Rampart Row.
Pires, G., Medows Street.
Purmanand Mahanand Bhatt.
Raikes, E. R. High Court, Eldon Road.
Ramchandra Shrinivas Chitgupi.
Ramdas Chubildas, B. A., LL. B., Nepean Sea Road.
Rivett-Carnac, L. W. G., High Court, Wellington Pier.
Robertson, L. J., High Court.
Roberts, J. L.
Russell, L. P., High Court.
Rustomjee Behramji Colabawala.
Rustomjee Fram ee Bahadurjee.
R. D. Settna, Albert Buildings, Esplanade Road.
R. P. Gadgil, Hornby Road.
Sadashiv Vishwanath Dhruandhar, Medows Street.
Scott, Basil, High Court, Byculla Club.
Shrinivas Ayengar S. Setlur.
Starling, Mathew Henry, B.A., LL.B., High Court, Malabar Hill.
S. K. Sanjana, Eldon Road.
T. Mojumdar, Hornby Road.
Tulsibai Jaishanbai Desai.
Vinayak Gunpatrao Kothare.
Young, C. P, R. Eldon Road.

BILLIARD TABLE MANUFACTURERS.

Gowasjee Byramjee, Kalbadevi Road.
Roberts, J., & Co. Hornby Road.

BOOK-SELLERS.

Anglo-Oriental Book Depot, Kalbadevi.
Army and Navy Co-operative Society, Ld., Esplanade Road.
B. S. Vaidya & Co., Kalbadevi Road.
Ballaji and Co., Kalbadevi Road.
Bell, G. and Sons, Esplanade Road.
Bible Society, Esplanade, Picquet Road.
Catholic Book Depot Kalbadevi Road.
Combridge, A. J., & Co., 19, Esplanade Road.
Cooper, Cooper and Co., Medows St.
D. Lukhmidas & Co., Bazaar Gate Street.
Erach and Co, Frere Road, Mody Bay.
Furtado, B. X., and Brother, Catholic Book-sellers, Kalbadevi Road.
Gopal Narayen and Co., Kalbadevi Road.
Homee Sorab & Co., Dhobi Talao.
Hormusjee Sorabjee, Medows Street.
Janardhan Mahadev Gurjar, Ramwady.
Longmans, Green and Co., Hornby Road.
Luckmidas & Co, Parsee Bazaar.
MacMillan and Co., Elphinstone Circle.
M. Mistry & Co., Borah Bazaar.
M. N. Mulgaoker, Kalbadavi Road.
Nanabhoy Bejanji Karani, Dhobie Talao.
Natkarni and Co., Pallow Road, Girgaum.
N. F. Davur, Kalbadevi Road.
Norman S. L. & Co., Church Gate Street.
P. D Mukadum, Church Gate Street.
Prasarak Mundli, Kalbadevi Road.
Radhabai Atmaram Sagoon, Kalbadevi Road.
Ramdas Kasidas Mody and Co., Thakurdwar Road.
Rutnagur, M. C., and Co, Medows Street.
Society for Promoting Christian Knowledge, Elphinstone Circle.
Soonderao Pandoorang, Kalbadevi Road.
Thacker & Co., Ld., Importers of Scientific Instruments, Hummum Street.
Tract and Book Society, Esplanade.
Treacher & Co., Importers of Scientific Instruments, Photographic Depot, &c., Esplanade Road.

BOMBAY TYPE-WRITING.

Bombay Type-Writing Company, Hornby Road.

BOOT AND SHOE MAKERS.

Badham, Pile & Co., Esplanade Road.
Caron & Co., Esplanade Road.
Cawasjee & Co., Kalbadevi.
Cummoo Allibhoy, Bellasis Road, Byculla.
Dunnett & Co., Medows Street.
Jamsedjee Muncherji, Kalbadevi.
Kermany, A., and Co., Bellasis Road, Byculla.
S. M. Ebrahim, Medows Street.

BREAD AND BISCUIT MAKERS.

Bombay Flour Mill Co., Ld., Hancock Bridge, Mazagon.
Borges, C. C., Khetwady Main Road.
DeCosta, D. A., New Hanooman Lane.
DeSouza, A. C., & Sons, Khetwadi Main Road.
DeSouza, L. G., Cavel Street, Kalbadevi.
DeSouza, S. P., & Sons, Kalbadevi Road.
DeSouza, J. M.. & Brother, Duncan Road.
DeSouza, J. S., Duncan Road.
Dias, J. M. & Sons, Girgaum Road.
Dinshah Sorabjee, Medows Street.
Fernandes F., & Sons, Girgaum Road.
Fialho, A. C., Kalbadevie Road.
Hearsch (M.) & Co. Falkland Road.
Hiscocks, H., Clare Road, Byculla.
Pearse, J., Apollo Street.
Pearse & Co., Apollo Street.
Pereira, J. M., New Sonapore Street.
Rumjee Babajee and Sons, Borah Bazaar Street, and Kalbadevi Road.
Rustomjee Framjee, Breach Candy Road and Bazaar Gate Street.
Soares, D., New Sonapur Street.
Spanlon (S.) & Co., Ripon Road, Byculla.
Western India Flour Mills, Ld., Falkland Road.

CABINET MAKERS.

Cooverjee R. Mistry, Apollo Bunder.
Dadabhoy Fakirjee, Kalbadevi Road.
Jamsetjee Framjee, Medows Street.

Maneckjee Pestonjee, Military Square.
Pestonjee Merwanjee, Kalbadevi Road.
Roberts, (John) & Co., Hornby Road.
Sorabjee Pestonjee, Medows Street.

CARD AND COPPER-PLATE PRINTERS.

Army and Navy Co-Operative Society, Limited, Appollo Street.
Bombay Gazette Steam Press, Armenian Lane.
Caxton Printing Works, Apollo Road.
Cortez, A. P & Co., Bake House Street.
Education Society's Press, Byculla.
Industrial Lithographic Press, Medows Street.
Masan and Co., Medows Street.
Thacker & Co., Hummum Street.
Times of India Press, Parsee Bazaar Street and Church Gate Street.

CHEMISTS AND DRUGGISTS.

Army and Navy Co-operative Society, Ld., Apollo Road.
Bhika Kallian & Co., Fort and Juma Masjid Road.
Fernandes, (D.) & Co., Medows Street.
F. S. Madon & Co., opposite Juma Musjid.
Kemp & Co., Ld., Church Gate Street and Armenian Lane, Fort; The 'Ridge,' Malabar Hill; and Bellasis Road, Byculla.
Lawson & Co., Kalbadevi Road.
Leopold & Co., Colaba.
Madon, Sons & Co., Hummum Street.
Mohosin Ali and Co., Nagdevi Street.
N. Powell & Co., Medows Street.
Phillips & Co, Ld., Esplanade Road and Byculla.
Rogers & Co., Hummum Street.
Taylor and Co., Byculla.
Thomson, Taylor & Co., Esplanade Rd.
Tomson & Co., Kalbadevi, Grant Road, and Prince's Dock.
Treacher & Co., Esplanade Road, Fort, and Bellasis Road, Byculla.
Wright and Co., Mint Road, Fort.

CHURCHES AND CHAPELS.

All St. Church, Malabar Hill.
Ambrolie Mission Church, Girgaum Back Road.
American Mission Church, Jail Road Oomerkhari.
Baptist Church, Byculla.
Cathedral (Our Lady of Hope), Bhooleshwur.
Catholic Chapel and Nuns' School Medows Street.
Christ Church, Byculla.
Church of Scotland, Apollo Road.
Free Church of Scotland, Esplanade.
Girgaum Mission Church, Girgaum.
Holy Trinity Church, Esplanade.
Methodist Church, Dean Lane.
Methodist Episcopal Church, Apollo Bunder.
Methodist Episcopal Church, Grant Road.
Methodist Episcopal Church, Mazagon.
Mission Church, Girgaum.
Our Lady of Glory, Mazagon.
Our Lady of Health, Kalbadevi.
Our Lady of the Hill, Bandora.
Our Lady of Mount Carmel, Medows St.
Our Lady of Mount Carmel, Bandora.
Our Lady of Rosary, Mazagon.
Our Lady of Salvaçao, Lower Mahim.
Presbyterian Free Church, Esplanade.
Roman Catholic Chapel, Colaba.
Salvation Army Headquarters, Esplanade.
Seamen's Church, Prince's Dock.
St. Andrew's Church, Apollo Road.
St. Andrew's Church, Bandora.
St. Anne's Chapel, Byculla.
St. Francis Xavier's Church, Dabool.
St. John the Evangelist, Colaba.
St. Joseph's Chapel, Oomercarry.
St. Joseph's Church, Colaba.
St. Mary's Church, Parel.
St. Michael's Church, Upper Mahim.
St. Nicholas Church, Prince's Dock.
St. Paul's Church, Kamateepoora.
St. Peter's Church, Bandora.
St. Peter's Armenian Church, Medows Street.
St. Peter's Church, Mazagon.
St. Stephen's Church, Bandora.
St. Thereza's Chapel, Girgaum.
St. Thomas' Cathedral, Church Gate Street.
Wesleyan Methodist Chapel, Colaba, Byculla and Parel.

CLUBS.

Bombay Club, Esplanade Road.
Bombay Gymkhana Club, Esplanade.
Byculla Club, Bellasis Road, Byculla.
International Shipmasters' Club, Elphinstone Circle.
The Hindoo Union Club, Girgaum.
Ripon Club, Hornby Road.

Royal Bombay Yacht Club, Apollo Reclamation.
The Bombay Cosmopolitan Club, Girgaum.

COACH-BUILDERS.

Ananta Ganesh, Thakordwar, Girgaum.
Antone, D., Girgaum Road.
Byramjee Jewanjee & Co., Girgaum Road.
Byramji Jevanjee Press, Breach Candy.
Byramjee Maneckjee, Girgaum Road.
Collett & Co., Breach Candy Road.
Cowasjee Hormusjee, Pydhoni.
Dadabhoy Bomanjee, Girgaum, Breach Candy Road.
DeSouza, A. S., Girgaum Road.
D'Silva N. A., & Co., Girgaum Road.
Freitas, A. R. & Co., Girgaum.
F. D. Press & Co., Girgaum.
Haji Mahomed Hoosein, Breach Candy Road.
Harriba Ganesh & Brothers, Girgaum Road.
Jaffer Sulaman, Breach Candy Road.
Lawrence & Sons, Girgaum Road.
Maneckjee Cowasjee, Kalbadevi Road.
Maneckjee Sorabjee, Kalbadavie Road.
Merwanjee Rustamjee, Hummum Street.
Oosman Ebrahim, Girgaum Road.
Pallonjee Bomanjee, Esplanade, Picquet Road.
Pestonjee Byramjee Press, Fort Coach Factory, Mody Bay.
Putlajee Vithaljee & Sons, Gamdevi.
Sadanand Vassoodewji, Khetwadi.
S. Carvalho, Portuguese Church, Girgaum.
Stephens & Sons, Girgaum Road.
The Fort Coach Factory, Mody Bay.
Victor Pereira & Co., Girgaum Back Road.

COAL BROKERS.

Brooks, J. & Co., Green Street.
Currumsey Mooljee, Bombay Green.
Furdoonjee Framjee, Elphinstone Circle.
Nusserwanjee Eduljee Dubash, Green Street.
Putlajee Vithaljee & Sons, Gamdevi.
Sharp, R., Rampart Row.
Vussunjee Jeyram, Hummum Street.

COLLEGES AND SCHOOLS.

Alexandra Native Girls' School, Waudby Road, Esplanade.
Bombay Education Society's Schools, Byculla.
Bombay Scottish Education Society's Schools, Byculla.
Bombay Veterinary College, Parel Road.
Cathedral High School (Boys'), Waudy Road.
Cathedral High School (Girls'), Elphinstone Circle.
D'Souza's School, Mazagon.
David Sassoon Industrial and Reformatory Institute, Chunam Kiln Road, Grant Road.
Elphinstone College, Esplanade Road.
Elphinstone High School, Cruickshank Road, Esplanade.
Free General Assembly's Institute, Khetwady.
Frere-Fletcher School, Hornby Road, Esplanade.
Govt. Law School, Esplanade.
Govt. Veterinary College, Parel Road.
Grant Medical College, Byculla.
Indo-British Institution, Esplanade.
John Connon High School, Esplanade Road.
Robert Money Institution, Esplanade.
Sir J. J. Parsee Ben. Institution, Hornby Road.
Sir J. J. School of Arts and Industry, Esplanade.
St. Mary's College, Nesbit Road, Byculla.
St. Xavier's College, Carnac Road.
Wilson College, Chowpatty.

COMMISSION STABLES.

Abdool Rahman, Byculla.
Abdool Razack Doobechel, Bhendy Bazar.
Ahmed Mahomed Misharia, Bellasis Road.
Ali Abdoola, Bellasis Road, Byculla.
Ali bin Amir, Bellasis Road, Byculla.
Anderson and Co, Bellasis Road.
Dinshaw Suntook and Co., Bhendy Bazaar.
Kareem Khan, Bellasis Road.
Ludha Ebrahim & Co., Bellasis Road.
Nowrojee Bezonjee Fakeerjee & Co., Girgaum.

Nowrojee Nusserwanjee, Bellasis, Junction Road, Byculla.
Sardar Oomer Jumall Vuyani, Bellasis Road.
Scott, R. & Co., Veterinary Surgeons, Girgaum Road.
Stephens, C., and Sons, Churney Road, Girgaum.

COMMISSION AND FORWARDING AGENTS.

Cook, T., and Son, Rampart Row.
J. Nowrojee and Co., Elphinstone Circle.
Latham & Co., Esplanade Road.
Maneckjee &Co., Church Gate Street.
Nebel, W.H., Elphinstone Circle.
N. V. Curranee & Co., Elphinstone. Circle.
Purvis & Sons, Elphinstone Circle.
S. C. Kotewal & Co., Elphinstone Circle.
S. N. Gadgil and Co., Girgaum.
Warden & Co., Hummum Street.
Watson, Wm., & Co., Hornby Road.

COTTON AND PRODUCE AGENTS.

Booth & Co., Church Lane.
Drennan & Co., 15, Bank Street.
Mackintosh, Jas., & Co., Elphinstone Circle.
New Mofussil Company, Esplanade Road.
New Berar Company, Church Gate St.

COTTON AND PRESS MANUFACTURER.

Shallis, F. W., Sole Agent, Nasmyth Wilson & Co., Marine Street.

CYCLE AGENTS.

Army Navy, Apollo Street.
Bombay Cycle Agency, Church Gate Street.
Kirkbride & Co , Tamarind Lane.
Marcks & Co., Esplanade.
Phiroz Esmael, New Foras Road, Byculla.
Priest & Co., Esplanade Road.
Thorne & Co., Tamarind Lane.
Treacher & Co., Esplanade Road.
Vacha Brothers, Girgaum.

DENTISTS.

Ardesir Dorabjee, Apollo Street.
Bromley, H., late Bromley and Campbell, Dean Lane.
Campbell, J. M., late Bromley and Campbell, Esplanade Road.
C. H. Butler, Ash Lane and Esplanade Road.
D. D. Bode, M.D , D.D.S., Marine St.
F B. Servai, Esplanade Road.
F. E. Davar, Medows Street.
F. J. Patel, L.R.C.P., Church Gate Street.
H. D. Pesikaka, Hornby Road.
K. M. Gimi, Church Gate Street.
Liddle, J., Hornby Row.
M. D. Karanja, M R.C.S., Hornby Row.
N. H. Gheesta, Esplanade Road, Fort.
Pirojsha Palonjee, L. M. & S. Dhobi Talao.
N. H. Gheesta, Esplanade Road.
Pirojsha Pallonji, L. M. & S., Dhobitalao.
R. N. Parmanand, L. M. & S., Kalbadevi Road.
Stephens, T. H., Eldon Road.

DRAFTSMEN.

Fern, E. W., Hornby Road and Nawab's Bungalow, Nesbit Road, Mazagon.
Pestonjee Dadabhoy, Tamarind Lane.

DRAPERS AND SILK MERCERS.

(See Tailors, &c.)

DUBASHES.

Byramjee Merwanjee, & Co., Apollo Road.
Byramjee Pestonjee, & Co., Parsee Bazaar Street.
Cowasjee Dinshaw, Medows Street.
Cowasjee Jamsetjee, Apollo Road.
Cowasjee and Maneckjee, Apollo Road. [Square.
Cowasjee and Nusserwanjee, Military
Cursetjee and Eduljee, Forbes Street.
Cursetjee Muncherjee's Sons, Apollo Road.
Dadabhoy Hormusjee & Co., Parsee Bazaar Street.
Eduljee Cowasjee Jehangir's Sons, Apollo Street.
Framjee Nusserwanjee, Marine Street.
Heerjeebhoy Merwanjee, Apollo Road.
Hormusjee Cowasjee & Co., Apollo Street.
Hormusjee Shapoorjee, Marine Street.
Jamsetjee Jehangir, Forbes Street.
Nanabhoy Jamsedjee, Imperial Hotel Lane.
Pallonjee Hormusjee, Hummum Street. [Road.
Pestonjee Hormusjee & Sons, Apollo

Ruttonjee Bomanjee & Co., Forbes Street.

ELECTRO-PLATERS AND GILDERS.

Coobair, M., Military Square.
Dhanjibhai Dorabji, Bazaar Gate St.
Ghellabhoy Harivalubdas; Kalbadevi Road.
G. A. Mitbawkar, Medows Street.
Jewanjee Cowasjee, Forbes Street.
Jost, C., & Co., Hornby Row.
Marcks & Co., Ld., Esplanade Road.
Nanabhai Mahadew, Medows Street.
R. B. Gurjar, Medows Street.
S. M. Vagal and Brothers, Cavel Street.
Thorwald Eilerson and Co., Medows Street.

ENGRAVERS ON WOOD, ETC.

Bapoojee Harischundra, Tadwady.
Salvation Stores, Esplanade.
Sir J. J. School of Art, Esplanade.

EXCHANGE BROKERS.

Barlow, R., Tamarind Lane.
Barton, E. L., Esplanade Road.
Baumbach, R., Esplanade Road.
Bhicajee N. Pallonjee, Dalal Street.
Bromley, T., Elphinstone Circle.
Bullock, W., Green Street and Bandora Point.
Cummulsey Premjee, Oak Lane.
Douglas, J., Elphinstone Circle.
Drennan, J. M., Bank Street.
H. L. Desai, Rampart Row.
Hay, A., Elphinstone Circle.
John, H. E., Tamarind Lane.
LeGeyt, W., Tamarind Lane.
Macaulay, W. M., Hummum Street.
Mant. R. N., Apollo Street.
Merwanjee & Byramjee, Apollo Road.
Moore, James, Elphinstone Circle.
Nixon, C. E., Bruce Lane.
Parminesdes, A., Tamarind Lane.
Pestonjee Dhunjibhoy Daver, No. 98, Khetwadi Back Road.
Premchand Roychand, Mody Bay.
Reid, R. V., Elphinstone Circle.
Remington, G. K., Fort.
Rich, J., Elphinstone Circle.
Robinson, G. P., Elphinstone Circle.
Sedgwick, F. W., Tamarind Lane.
Symons, N. S., Elphinstone Circle.
Weber, C. L., Elphinstone Circle.
Westall, J., Esplanade Road.
Westlake, J., Hornby Row.

FREIGHT BROKERS, ETC.

Bhikajee Rustomjee.
Brooks, A. J., Green Street.
Brooks G., & Co. Green Street.
Byrne, Nanjee & Co. Elphinstone Circle.
Currumsey Muljee, Green Street.
Davidas Lalodbhoy, Dalal Street.
Dunlop, J. M., Elphinstone Circle.
Dwarkadass Lallubhoy.
Gray & Co.; Bombay Green.
Hunsraj Nansee, Elphinstone Circle.
Inzoli Brothers, Bruce Lane.
I. G. Inzoli; Bruce Lane.
Kiddle, J. C., Elphinstone Circle.
Mackintosh, Jas., & Co., Elphinstone Circle.
Menesse, A., Green Street.
Morris, W., Fort.
Murray, W., and Co, Parsee Bazaar Street.
Nixon, R. B., Sirdar's Buildings, Bruce Lane.
Pittamber Laljee, Green Street.
Ruttonsey Denso & Co., Apollo Street.
Scott, J., Elphinstone Circle.
Symons, N. S., Elphinstone Circle.

FURNITURE DEALERS.

Dewjee Canjee & Co., Cabinet Makers, No. 6, Chukla Bazaar.
Jaffer Sulliman, Girgaum.
Jamsetjee Nowrojee, Byculla.
Jan Mahomed, Kalbadevi Road.
Khakeebhoy Pudumsey, Kalbadevi Rd.
Ludha Ebram & Co., Bellasis Road.
Nathoo Ebram, Kalbadevi Road.
Noormahomed Sulliman, Breach Candy Road. [Road.
Sardar Oomer Jumal Vuyani, Chuckla
Peeroo Veerjee, Breach Candy Road.
Roberts, J., and Co., Hornby Road.

GAS FITTERS.

Black, T., and Co, Medows Street.
Brown, R., and Co., Marine Street.
The Bombay Gas Company, Elphinstone Circle.

GUNSMITHS.

Goolam Hyder, Parel Road, Bhendy Bazaar.
Hollis, A., Medows Street.
Jost, C., & Co., Hornby Road.
Mahomed Ali Noorbhoy, Church Gate Street.

Sardar Oomar Jamal Vuyani, Sirdar Chukla,
Peeroo Veerjee, Breach Candy Road.
Roberts, J., and Co., Hornby Road.
Watson & Co., Church Gate Street.

HAIR-DRESSERS.

Facile, V., Royal Saloon, Esplanade Rd.
Grand Hair Cutting Saloon, Medows, Street,
Pall Mall Hair Cutting Saloon, Esplanade Road.
Prince of Wales Hair Cutting Saloon, Kalbadevi Road.

HORSE DEALERS,

(See Commission Stables.)

HOTELS.

Adelphi Hotel, Clare Road, Byculla.
Adelphi Family Hotel, Clare Road, Byculla
Alexandra Hotel, Frere Road, Prince's Dock,
Apollo Bunder Dining and Billiard Rooms.
Apollo Hotel, Colaba Causeway.
Auckland Hotel, Clare Road, Byculla.
Byculla Hotel, Parel Road.
Colaba Castle Hotel, Colaba.
Coleman's Hotel, Apollo Road,
Cumballa Hotel, Cumballa Hill.
English Hotel, Hornby Row.
Esplanade Hotel, Esplanade Road.
Fitzgerald Hotel, Clare Road, Byculla,
Frere Temperance Hotel, Frere Road, Fort
Grant Hotel, 42, Forbes Street.
Grant Road Hotel, Grant Road.
Great Western Hotel, Apollo Street,
Gymkhana Hotel, Waudby Road.
Hawkin's Hotel, Clare Road, Byculla.
Imperial Hotel, 6, 8 & 16, Dalal Street.
London Hotel, Grant Road.
Malabar Family Hotel, Breach Candy.
Mrs. Brigg's Temperance Hall, Colaba.
Mrs. Bowne's Boarding House, Frere Road, Fort.
Mrs. Leyland's Boarding House, Elphinstone Circle.
Mrs. Russell's Boarding House, Hornby Row.
Metropole Hotel, Tamarind Lane.
Prince of Wales Hotel, Marine Street.
Taylor's Hotel, Victoria Road, Byculla.
Temple Bar, Esplanade Road.
Victoria Family Hotel, Waudby Road.
Victoria Hotel, Frere Road, Prince's Dock.
Victoria Hotel, Waudby Road.

HOSPITALS.

Bombay Native Dispensary, Chundanwady.
Cama Hospital, Cruickshank Road, Esplanade,
Cowasji Jehanger Ophthalmic Inst., Byculla.
Fort St. George's Hospital, Fort George,
Fort Gratuitous Dispensary, Hornby Road.
Foundling Hospital (St. Joseph's), Mount Road, Mazagon.
Goculdas Tejpal Hospital, Carnac Road.
Government Dispensary, Bandora.
Homœpathic Dispensary, Kalbadevi.
Hospital for Lepers and Incurable, Byculla.
Jehanger Nusserwanji Wadia's Dispensary, Mahim,
Juggonnath Sunkerset Dispensary, Tardeo Road. [wady.
Khetwady Native Dispensary, Khetwady.
Khoja Sajunbhoy Meerally's Dispensary, Shamjee Hassajee Street,
Lowjee Wadia's Dispensary, Parel.
Lunatic Asylum, Upper Colaba.
Meher Charitable Dispensary, D'Lima Street. [Road,
Sir J. J. Hospital, Baboola Tank
Sir J. J. Obstetric Inst., Baboola Tank Road.
St. Vincent de Paul's Dispensary, Bandora.

HOUSE AGENTS.

B. Sakharamjee & Co., Bell Lane.
Flower, E. W., Hummum Street.
N. J. Framjee, Tamarind Lane.
P. Byramjee, Hornby Road.
S. Byramjee, Dean Lane.
S. J. Frank & Co., Frere Road,
Wilmot & Co., Ash Lane.

ICE COMPANIES.

Ardesir's Ice Co., Baboola Tank Road.
Bombay Ice Manufacturing Co., Bo Lane and Mody Bay.
Boyd's Ice Co., Mody Bay,

Deccan Ice Co., Bell Lane.
Kurrachee Ice Co., Elphinstone Circle.
Maharani Ice Manufacturing. Co , Ld., Armenian Lane.

ICE-CONFECTIONERS.

Apollo Refreshment Rooms, Apollo Bunder.
B. Shapurjee, Esplanade Road.
British India Refreshment and Billiard Room, Hornby Road.
Carnaglia, F., Medows Street.
Criterion Apollo Street.
Dinshah Sorabji, Medows Street.
Empress of India Refreshment Room, Bank Street.
Hiersch, M., Vienna Ice Confectionery, Church Gate Street.
Morenas & Co., Medows Street.
Pallonjee Sorabjee & Co., Apollo Road.
Pearse & Co., Sirdar's Buildings, Apollo Road.
Pearse, J., & Co., Apollo Road.
The Elphinstone Bar, Marine Street.
The Empress of India Refreshment Room, Hornby Row.
The Grand Billiard Room, Apollo Road.

INSURANCE OFFICES.

Atlas Insurance Co., Rampart Row.
Baden Marine Insurance Co., Marine Street.
Batavia Sea and Fire Insurance Company, Marine Street.
Bombay Fire Insurance Company, Limited, Elphinstone Circle.
British and Foreign Marine Insurance Company, Elphinstone Circle.
Caledonian Fire Insurance Co., Apollo Road.
Canton Insurance Offices, Church Gate Street.
China Traders' Insurance Company, Limited, Tamarind Lane.
Church of England Assurance Institution, Elphinstone Circle.
City of Glasgow Life Assurance Co., Green Street.
Colonial, Marine & Fire Insurance Co., of New Zealand, Parsee Bazaar Street.
Colonial Maritime Insurance Company, of Mauritius, Tamarind Lane.
Colonial Sea and Fire Insurance Co., Forbes Street.
Commercial Union Assurance Co., Apollo Road.
Empire of India Life Assurance Co., Limited, Esplanade Road.
Empire Fire Insurance Co., Ld., Parsee Bazaar Street.
Fire Insurance Association, Parsee Bazaar Street.
Fire Insurance Company (Insulinde), Marine Street.
Fire Insurance Co., of 1877, Marine St.
Fortua Insurance Co., Apollo Road.
General Insurance Co., of Dresdon, Hummum Street.
General Marine Insurance Co., Apollo Road.
General Life and Fire Assurance, Forbes Street.
German Lloyd Marine Insurance Co., Ld., Hummum Street.
Hamburg Bremen FireInsurance Co., Marine Street.
Home and Colonial Marine Insurance Co., Green Street.
Imperial Fire Insurance Co. of London, Elphinstone Circle.
Indian Guarantee and Suretyship Association, Ld., Hornby Road, Albert Buildings.
Indian Imperial Marine Insurance Co., Ld., Forbes Street.
Lancashire Insurance Co., Parsee Bazaar Street.
London Assurance Corporation for Life, Marine and Fire Assurance, Tamarind Lane.
London & Lancashire Fire Insurance, Forbes Street.
London and Lancashire Life Assurance Co., Parsee Bazaar Street.
London Provincial Fire Insurance Co., Forbes Street.
London and Provincial Marine Insurance Co , Ld., Elphinstone Circle.
Lubeck Fire Insurance Company, Marine Street.
Manchester Fire Assurance Company, Church Gate Street.
Manchester Underwriters' Association, Church Gate Street.
Mannheim Insurance Co., Apollo Road.
Marine Insurance Co., Rampart Row.
Mercantile Marine Insurance Co., of South Australia, Tamarind Lane.
Merchants' Marine Insurance Company, Limited, Forbes Street.
National Assurance Co., of Ireland.
National Guarantee and Suretyship Association, Limited, Tamarind Lane.
Netherland Fire Insurance Company Bell Lane.

Netherlands Sea and Fire Insurance Company, Green Street.
New York Life Insurance Co., Apollo Road.
New Zealand Insurance Co., Green St.
North British and Mercantile Insurance Co., Elphinstone Circle.
North British and Mercantile Insurance Company, Tamarind Lane.
North China Insurance Company, Apollo Road.
North German Fire Insurance Company, Marine Street.
Northern Assurance Co., Marine St.
Northern Fire Life Assurance Co., Elphinstone Circle.
Norwich Union Fire Insurance Society, Parsee Bazaar Street.
Ocean Marine Insurance Co., of London, Elphinstone Circle.
Oriental Govt. Security Life Assurance Co., Ld., Hornby Rd., Albert Buildings.
Oriental Loan Association Co., Limited, Hornby Road, Albert Buildings.
Phœnix Fire Assurance Company, Church Gate Street.
Phœnix Fire Insurance Co., Parsee Bazaar Street.
Positive Government Security Life Assurance Co., Ld., Green Street.
Prussian National Insurance Company, Apollo Road.
Queen Insurance Co., Elphin. Circle.
Reliance Marine Insurance Co., Ld., Forbes Street.
Royal Exchange Assurance Corporation of Marine & Fire, Church Gate Street.
Royal Insurance Company, Bombay Agency, Hummum Street.
Samarang Sea and Fire Insurance Company, Marine Street.
Scottish Imperial Insurance Company, Forbes Street.
Scottish Metropolitan Life Assurance Co , 51, Apollo Street, Fort.
Scottish Union and National Insurance Co., Elphinstone Circle.
Singapore Insurance Co., Ld., Fire and Marine, Church Gate Street.
South Australian Insurance Co., Ld., Esplanade Road.
South British Fire & Marine Insurance Co., of New Zealand, Apollo Road.
The Alliance Assurance (Fire and Life) Company, Esplande Road.
The Canton Insurance Office, Ld., Church Gate Street.
The Chinese Insurance Co., Rampart Row.
The Donan Insurance Society, of Vienna, Church Gate Street.
The Hongkong Fire Insurance Co., Ld., Church Gate Street.
The Imperial Life Insurance Co., Rampart Row.
The Indian Fire Insurance Co., Ld., Parsee Bazaar Street.
The Indian Imperial Marine Insurance Co., Green Street.
The International Marine Insurance Co., Ld., Elphinstone Circle.
The Kaiser-i-Hind Fire Insurance Co., Ld., Green Street.
The Liverpool and London and Globe Insurance Company (Fire and Life), Elphinstone Circle. [Row.
The Marine Insurance Co., Rampart
The Mauritius Marine Insurance Co., Elphinstone Circle.
The Ocean Marine Insurance Co., of Mauritius, Elphinstone Circle.
The Prince of Wales Fire Insurance Co., Ld., Forbes Street.
The Second Colonial Sea and Fire Insurance Co., Green Street.
The Southern Insurance Co., Ld., Elphinstone Circle.
The Standard Life Assurance Company, Rampart Row, Albert Buildings.
The Standard Marine Insurance Company, Ld., Elphinstone Circle.
The Straits Fire Insurance Co., Ld., Parsee Bazaar Street.
The Straits Insurance Co., Ld., Parsee Bazaar Street.
The Sun Fire Office, Elphin. Circle.
The Union Marine Insurance Co., Ld , of Liverpool, Elphinstone Circle.
Transatlantic Fire Insurance Co., Ld., Marine Street.
Transatlantic Marine Insurance Co., Ld., of Berlin, Parsee Bazaar Street.
Triton Insurance Co., Elphin. Circle.
Union Assurance Society, Forbes St.
Union Fire and Marine Insurance Company of Liverpool, E. Circle.
Union Insurance Society of Canton, Church Gate Street.
Universal Marine Insurance Company, Apollo Road.
Yangtsze Insurance Co., Green Street.

IRON-MONGERS, FOUNDERS, ETC.

Alcock, Ashdown & Co., Carnac Iron Works and Mazagon.
Army & Navy Co-Operative Society, Apollo Street.
Carnac Iron Works, Carnac Bunder.
Eduljee Shapoorjee, Napier Foundry, Foras Road, Byculla.
Gahagan, G., & Co., Bellasis Road, Byculla.
Napier Foundry and Iron Works Co., Ld., New Foras Road, Byculla
Richardson & Cruddas, Nesbit Road, Fort and Mazagon.
Sorabjee Shapoorjee & Co., Bombay Foundry, Khetwady.
The Ripon Iron Works, Carnac Bunder.

JEWELLERS.

Army and Navy Co-operative Society, Limited, Bruce Lane.
A. Bhikajee & Co., Apollo Bunder.
Balmakunji & Nasarwanjee, Hornby Road.
Burjorjee A. Bhesania, General Merchant and Commission Agent, Abdul Rehman Street.
Balla, Appa Javeri, Church Gate Street.
Canji and Dewji Mulji and Co., Abdul Rahman Street.
Cursetjee Cowasjee, Medows Street.
Favre-Leuba & Co., Esplanade Road.
Gowmul Jethmul, Rampart Row.
Hurjeemal & Co., Esplanade Road.
Kanny & Co., Medows Street.
Lund, Blockley and Carter, Esplanade Road.
Langner, R., successor to Max Minck & Co., Hornby Road.
Marcks & Co., Esplanade Road.
Morenas and Co., Medows Street.
Mugandas and Jeramdas, Hummum Street.
Nusserwanjee N. Jeveri & Co., Church Gate Street.
Poonumchand, Panalal, 101 Kalbadevi Road.
Rosenberg, L., Jeweller & Diamond Setter.
Shapurjee and Hormusjee, Tamarind Lane.
Sorabjee and Jamsetjee Khan, Apollo Road.
Steffenauer, L., Church Gate Street.
Tarachand Pursram, Hummum Street.
Treacher & Co., Esplanade Road, and Byculla.
Vogel (H.) & Co., Medows Street.
Watson & Co., Church Gate Street.

LAMP DEALERS AND IMPORTERS.

Ditmar, Late, Theodor Knaust, Esplanade Road.
Hinks' Lamp Depôt, Medows Street.
Redsdale & Co.—F. W. Shallis, Sole Agent, Marine Street.

LANDING AND SHIPPING COMPANIES.

Cooper, W., & Co., Parsee Bazaar Street.
Currance, N. V. & Co., Elphinstone Circle.
Latham & Co., Esplanade Road.
Watson, W., & Co., Apollo Road.

LIVERY STABLE-KEEPERS.

Burjorjee Merwanjee, Paydownee.
Camajee & Co., Kalbadevi Road.
Cursetjee Dorabji & Co., Grant Road.
Dadabhoy Bomanjee, Breach, Candy Road Girgaum.
DeSouza, J. F. D., Middle Colaba.
Dinshaw Byramjee, Kalbadevi Road.
Jaffer Sulleman & Co., Girgaum.
Jamsetjee Camajee, Kalbadevi Road.
Jamsetjee Eduljee & Co., Paydownee.
Martin Monteiro and Co., Mazagon.
Nusserwanjee Heerjee, Breach Candy Road, Girgaum.
Pestonjee Eduljee Shroff, Kalbadevi.
Rustomjee Nowrojee Kalbadevi Road.
Ruttonjee Cowasjee, Breach Candy Road, Girgaum
Ruttonjee Rustamjee, Kalbadevi Road.

MARBLE AGENCIES.

Gostling and Morris, Dalal Street.
Motilal Moolchand & Co., Marine St.
Muraglia, F., and Co., Apollo Bunder
Reginald, A., & Co.
Warden & Co., Hummum Street.

MARINE SURVEYORS.

Clark, A. C., Hummum Street.
Crowder, W., Hummum Street.
Macaulay, K., Hummum Street.
Pothill, J. B., Tamarind Lane.

MESS AGENTS.

Army & Navy Co-operative Society, Limited, Bruce Lane.
Bolton & Co., Rampart Row, and Bellasis Road, Byculla.

Bull and Co., Sirdar's Mansions, Apollo Bunder.
Burjorji A. Bhesania, General Merchant & Commission Agent, Abdulrehman Street.
Cutler, Palmer & Co., Rampart Row.
Eduljee Pallonjee Bottlewalla, Bazaar Street.
Framjee Nowrojee, Forbes Street.
Green, W. B., & Co., Apollo Bunder.
Jamsetjee Framjee, Parsee Bazaar St.
Jeewajee Ruttonjee's Sons, Apollo Rd.
Muncherjee Eduljee, Medow Steet.
Pallonjee Heerjeebhoy's Sons, Medows Street.
Pestonjee Jewanjee & Co., Military Square.
Rustomjee Pestonjee, Medows Street.
Treacher & Co., Esplanade Road and Byculla.
United Service Stores Agency, Medows Street.
Watson, Wm. & Co., Hornby Road.

MIDWIVES.

Allen, Mrs., Bellasis Road, Byculla.
Barker, Mrs. M. A., Clare Road, Byculla.
Bartley, Mrs. E., Colaba Causeway.
Bond, Mrs. M. C., Arthur Road, Chinchpogly.
Carr, Mrs. C., Falkland Road, Tardeo.
Goulden, Miss. A. M., Frere Road, Mody Bay.
Kirk, Mrs., Frere Road.
Lawrence, Mrs. M., Bellasis Road, Byculla.
Leah Benjamin, Bellasis Road.
Mankubai Sadavarta, Khetwady, 3rd Lane.
Mankoobai Lad, Girgaon.
Pettigrew, Mrs. R. J., Elphn. Circle.
Priestley, Mrs. A., Frere Road, Mody Bay.
Mrs. Rebekah Simeon, Diplomated Midwife, G. M. C., Khetwadi, Bombay.

MILLINERS AND DRESS-MAKERS.

Austin, Mrs., H., Esplanade Road.
Callian Mottee and Co., Esplanade Cross Road.
Esubjee Adamjee, Medows Street.
Evans, Fraser & Co., Esplanade Road.
Mackay and Co., Esplanade Road.
Meeajee Ahmedbhoy, Medows Street.
Pryer, Mrs., Medows Street.
Smith, Mrs. C., Bellasis Road, Byculla.
Watson and Co., Church Gate Street.
Whiteaway, Laidlaw and Co., Hornby Road.

MUNSHIS.

Abdul Karim Munshi, Bhoosari Street.
Abdul Latif, Cazi Street.
Gholam Mahomed, Bhoosari Street.
Goordindayal Parsad, Kalbadevi Road.
Mahomed Ali Gharay, Tukri Street, Nul Bazaar.

MUSICAL INSTRUMENT DEALERS.

Army and Navy Co-operative Society, Limited, Apollo Road.
Bose, G., & Co., Kalbadevi Road.
Harrison, E. C., Old Freemasons' Hall, Nesbit Road, Byculla.
Kale, C. S., & Co., Medows Street.
Marcks & Co., Esplanade Road.
M. Shroff and Co., Kalbadevi Road.
Neuberg, J., Medows Street.
Nowrojee Bamanjee and Co., Medows Street.
Ramchundra & Co, Kalbadevi Road.
Rose, S. & Co., Esplanade Road.
Schiedmayer & Soehne, Ash Lane.
Soundy & Co., Ld., Medows Street and Esplanade Road.
T. S. Ramchunder and Brothers, Kalbadevi Road.

OPTICIANS.

Abree, Fred, & Co., Fort.
Army & Navy Co-operative Society, Limited, Apollo Road.
Bennett (T. S.) & Co., Medows Street.
C. S. Kale & Co., Medows Street.
Dinshaw M. Dustur, Medows Street.
Favre-Leuba & Co., Esplanade Road.
Fernandes, D., & Co., Medows Street.
Jamsetjee Muncherjee, Medows Street.
Jost, C., and Co., Hornby Road.
Kemp & Co., Ld., Elphinstone Circle.
Lawrence and Mayo, Esplanade Road.
Madon, F. S., & Co., Juma Musjid Street.
Marcks & Co., Esplanade Road.
Peterson, J., & Co., Esplanade Road.
Powell, N., & Co., Duncan Road, Byculla.
Thacker & Co., Ld., Hummum Street.
Treacher & Co., Ld., Esplanade Road and Byculla.

PAINTERS AND DECORATORS.

G. Chahan, Girgaum.
Gibello, P. G., Apollo Road.
Purshotum Fakirjee, Kalbadevi Road.
Studio for Crystoleum Painting, Rampart Row.

PHOTOGRAPHERS.

Art Photographic Saloon, Raja Deen Dayal and Sons, Hornby Road.
Bombay Photographic Co., Kalbadevi Road.
Bourne and Shepherd, of Calcutta and Simla, Esplanade Road.
Cav. de Frufo, Italian Photography, Medows Street.
Clifton & Co., Medows, Street.
D. Nusserwanjee Kalbadevi Road.
D'Lair F. Apollo Street and Forbes Street.
Gibson & Co., Kalbadevi Road.
Gomes, Kalbadevi Road.
Jamsetjee Bomanjee Patell, 92, Kalbadevi Road.
Madon, P. C., & Co., Kalbadevi Road.
Photographic Enlarging Co., Medows Street.
Photographic E. O. C. Co., Kalbadevi Road.
Purshotum Fakirjee, Kalbadevi Road.
Purvesjee Dadabhoy, Kalbadevi Road.
Shapurjee Hormusjee & Co., Kalbadevi.
Shapurjee N. Bhedwar, Cumballa Hill.
Shivshunker Narrayen, School of Art, Esplanade.
S. N. Gadgil and Co., Girgaum.
Taurines, E., Medows Street.
The Bombay Photographic Co., Kalbadevi Road.

PLUMBERS.

Bombay Gas Company, Ld., Elphinstone Circle.
Brown, Robert, & Co., Marine Street.
D'Jeyses, F., Kalbadevi.

PORTRAIT PAINTERS.

Mahomed Khan & Sons, Ivory Portrait Painters of Delhi, Bhendy Bazaar Rd.
Thow Ving, Chinaman, Oil and Water-Colour Painter, Kalbadevi Road.

PRINTING PRESSES.

Akhbar-e-Sodagur Press, Parsee Bazar Street.
Alfred Printing Press, Bake House Lane.
Anglo-Vernacular Press, Nagpada.
Apakhtiar Printing Press, Modykhana.
Bombay East India Press, Bank Street.
BOMBAY GAZETTE Steam Press, Armenian Lane, Head Office, Esplanade Road.
Bombay Guardian Printing Works, 129, Khetwady Main Road.
Bombay Summachar Press, Modikhana.
Bombay Vurtaman Press, Dhobi Talao.
Caxton Printing Press, Apollo Street.
Civil and Military Orphanage Printing Press, Girgaum.
Clifton Printing Press, Church Lane.
Cortez Litho. and Printing Press, Marine Street.
Commercial Press, Marine Street.
Dnyan Mitra Press, Madhav Shet Lane.
Dufttar Ashkara Press, Cowasjee Patel Street.
Eagle Press, Dalal Street, Apollo Road.
Education Society's Press, Byculla.
English & Gujarati Job Printing Press, Bazaar Gate Street.
Examiner Press, Medows Street.
Family Printing Press, Fanaswady.
Fort Mercantile Press, Tamarind Lane.
Fort Printing Press, Gunbav Lane.
Gopal Narayan Printing Press, Khetwadi.
Government Central Press, Custom House Road.
Gunput Kristnajee's Press, Dongree, Cooli Street.
Imperial Press, Kalbadevi.
Indian Printing Press, Kandewadi.
Indu Prakash Press, Cowasjee Patel Tank Road.
Industrial Lithographic Press, Medows Street.
Industrial Press, Hummum Street.
Jagadishwer Press, Khetwadi.
Jam-e-Jamshed Press, Frere Road.
Kaiser-i-Hind Press, Hornby Road.
Lewis Litho. and Printing Works, Armenian Lane.
Luxumi Press, Frere Road.
Mercantile Press, Tamarind Lane.
Nicol's Printing Works, Cavel.
Nirnaya Sagar Press, Kalbhatvadi.
Native Opinion Press, Girgaum Back Road.
Parwati Warda Press, Kandewadi.
Ripon Press, New Lane Street.
The *Advocate of India* Printing Press, Bank Street.

The Duke of Connaught's Printing Press.
The Presidency of Bombay Printing Press, Armenian Lane.
The *Satya Mitra* Printing Press, Dhobi Talao.
The Universal Press, Mugbhat.
Times of India Steam Printing Works, Church Gate Street.
Union Press, Dhobie Talao.
Wm. Cooper Litho. Press, Meadow St.

PRODUCE BROKERS.

Dallas, Brooks & Co., Elphin. Circle.
Drennan & Co., Bank Street, Fort.

PUBLIC ACCOUNTANTS.

Fretwell, V., & Co., Marine Street.
Lidbetter, T., Apollo Road.
Pestonjee Sorabjee Kharegat, Apollo Road.
Swift and Farrow, Hummum Street.

REFRESHMENT ROOMS.

Apollo Refreshment Rooms, Apollo Bunder.
British India Refreshment Rooms, Hornby Road.
"Criterion" Restaurant, Apollo Street.
Empress of India refreshment Room, Marine Street.

REGIMENTAL AGENTS.

Army & Navy Co-operative Society, Limited, Esplanade Road.
Grindlay, Groom & Co., Elphinstone Circle.
King, King & Co., Standard Buildings, Hornby Road.
Watson, Wm., & Co., Hornby Road.

RUBBER STAMP MANUFACTURERS.

Bloomfield & Co., Church Gate Street.
F. S. Mehta & Co., Mint Road.
F. S. Mehta & Co., Old Mody-Street.
Imperial Rubber Stamp, Pydhonee.
India Rubber Stamp Co., Medows St.
James Manufacturing Co.
James, S., and Co., Kalbadevi Road.
Nadkarni & Co., Pallow Girgaum.

SADDLERS.

Ardeseer & Co., Hummum Street.
Army and Navy Co-operative Society, Limited, Church Gate Street.
Badham, Pile & Co., Ld., Esplanade Road.
Caron & Co., Esplanade Road.
Dunnett & Co., Medows Street.
Frank & Co., Churney Boyd Road, Girgaum.
J. Muncherji, Sons & Co., Kalbdevi.
R. Pestonjee and Sons, Kalbadevi Road.

SEWING MACHINE DEPÔTS.

Geyer's Sewing Machine, Church Gate Street.
Singer's Sewing Machine, Church Gate Street.
Wheeler & Wilson, Parsee Bazaar St.

SHIP BROKERS.

Byrne & Co., Elphinstone Circle.
Inzoli Brothers, Bruce Lane.
Mackintosh, Jas., & Co., Elphinstone Circle.
Scott, J. W., Elphinstone Circle.

SHIP CHANDLERS AND IRON-MONGERS.

Ebrahim Abdool Karim, Apollo Road.
Esmaelji Ebrahimji Nagree, Apollo Street.
Heptoola Shaik Adam & Co., Tamarind Lane.
Hormusjee Cowasjee Dajeeghandy, Gowalia Tank Road.
P. M. Mody, Apollo Road.
Rustomjee Sorabjee & Co., Apollo Street.
R. B. Mody and Co., Bank Street.
R. M. Cheesgur & Co., Abdool Rehman Street.
Shapurji Sorabji Narelwalla, Apollo Road.
Sallebhoy Tyabjee & Co., Apollo Street.

SHIPPING AGENTS.

Coulson (Thos.) and Co., Tamarind Lane.
C. J. Khumbatta & Co., Elph. Circle.
Cooper Landing Company, Parsee Bazaar Street.
Colton, Tingcombe & Co., Apollo Road.
Darashah Ruttonjee Chichgur, Girgaum Road.
Elphinstone Landing, Shipping, and Forwarding Agency.
Grindlay, Groom & Co., Elphinstone Circle.

IndianTransit and Shipping Agency.
Khumbatta, C. J., and Co., ElphinstoneCircle.
King, King & Co., Standard Buildings, Hornby Road.
Latham & Co., Esplanade, Road.
Merwanjee Pestonjee Chichgur, Cheera Bazaar.
N. V. Curranee & Co., Elph. Circle.
Watson, Wm., & Co., Hornby Road.

SIGN-BOARD PAINTERS.

Burjorjee Cursetjee & Co., Kalbadevi Road.
Coobair, M., & Co., Military Square.
Dossabhai Jamshedjee, Kalbadevi Road.
F. Luckha, Apollo Street.
Fakirjee Dinshaw, Kalbadevi Road.
Luxuman Ramchanderji, Kalbadevi Road.
P. D. Kanga & Co., Church Gate Street.
Purshotum Fakirjee, Kalbadevi Road.
Solomon, S., Hummum Street.
Vithoba, F., Esplanade Road.

SOLICITORS.

Ardesir, Hormusjee & Dinshaw, Esplanade Road.
Balkrishna Vasudev Narayan Kirtikar, Church Gate Street.
Bhaishankar & Kanga, Albert Buildings, Hornby Road.
Bicknell, Merwanjee & Motilal, Medows Street.
Bland & Noble, Medows Street.
Chalk, Walker & Smetham, Church Gate Street.
Chitnis, Motilal & Malvi, 4 Hummum Street.
Craigie, Lynch and Owen, Standard Buildings, Hornby Road.
Crawford, Brown, Bayley and Dunlop, Solicitors and Notaries Public Esplanade Road.
Dahptary and Ferreira, Medows St.
Darasha Bajonji Mehta,
Dhondu Shamrao Garud, Eldon Road.
Dickshit and Hiralal, Hornby Road.
Dinshaw Furdoonji Mullah, Hornby Road.
Edgelow & Gullabchand, Esplanade Road.
Fardunjee Palanjee Pavri, 82, Tamarind Lane.
Framjee & Moos, 11, Hornby Road.
Hari Sitaram Diksit, 10, Church Gate Street.
Jamsetjee Cursetjee Cama, Bell Lane.
Janardhan and Ardeseer, Oak Lane.
Jehangir Dorabjee Neemuchwalla, Church Gate.
Kashinath Janardhan Mantri, Hornby Road.
Kemball, V. S, (Edgelow & Gulabchand).
Khunderao Morojee, Medows Street.
Khurshedji Dhunjeebhoy Shroff, Hornby Road.
Little, Nicholson, Bowen, & Acworth, Sirdar's Palace, Apollo Street.
Mathubhai and Jamietram, Bell Lane.
Merwanji Nanabhoy Saklatwalla, Medows Street.
Mirza Hoosein Khan, Hornby Road.
Muljee & Raghavji, 9, Hornby Road.
Munsookhlal, Damodar & Jamsetjee Medows Street.
Nanu & Hormusjee, Medows Street.
Ochhavram Nanabhai Haridas.
Payne, Gilbert & Sayani, Esplanade Road.
Pestanjee, Rustim and Kolah, Medows Street.
Phirozshah Nusserwanjee Pleader, 18, Church Gate Street.
Roughton & Byrne, Tamarind Lane.
Shamrao Pandurung, Forbes Street.
Thakurdas, Dharamsi & Cama, Esplanade Road.
Turner, A. C., Tamarind Lane.
Tyabjee, Dayabhai, Pakvasa and Chandulal, Esplanade Road.
Wadia & Ghandy, 19, Church Gate Street.

STEAM NAVIGATION COMPANIES.

Anchor Line, Indian Service, Bazaar Gate Street.
Asiatic Steam Navigation, Elphinstone Circle.
Austrian Lloyd's Steam Navigation Company, Elphinstone Circle.
B. I. S. N. Company, Elphinstone Circle.
City Line, Rampart Row.
Clan Line Steamers' Agency, Forbes Street.
Hall Line, Elphinstone Circle.
Head Line, Tamarind Lane.

MacIver Line, Elphinstone Circle.
Messageries Maritimes Co., Esplanade Road.
Navigazione Generale Italiana Florio and Rubattino's United Company, Elphinstone Circle.
P. & O. S. N. Company, Rampart Row.
Shepherd & Co., Frere Road and Carnac Bunder.
The Arabian Steam Launch Co., Ld., Ash Lane.
The Bombay and Persia Steam Navigation Co., Ash Lane.
Wilson Line, Forbes Street.

SURGEONS, ETC.

Ardaseer Dadabhoy Mody, L.M. & S., Girgaum Road.
Ardaseer Pestonjee Cama, L.M. & S., Gowalia Tank Road.
Atmaram V. Velkar, L.M. & S., Chewulwady.
Bhalchundra Krishna Bhatwadeker, Hon'ble, L. M., Girgaum.
Blaney, T., Grant Road. [wady.
Bomanjee Framjee, L.M. & S., Khet-
Burjorjee Framjee, G.G.M.C., Parel.
Byramjee Nowrojee, G.G.M.C., Modikhana.
Cowasjee Eduljee Dadachanjee, L.M. & S., Khetwady.
Cowasjee Hormusjee, G.G.M.C., Girgaum Road.
Cowasjee Nowrojee, G.G.M.C., Hornby Road.
Cowasjee Pestonjee, G.G.M.C., Girgaum Road.
DeCunha, J. G., M.R.C.S., Trinity Church Street and Esplanade.
DaGama, J. A., D. A., L.M., Khoja Mohla.
Darasha Hormasjee Barria, L.M. & S., 5, Bell Lane, Fort.
DeRozario, L. P., L.M., Mazagon.
Deshmuck, M.G., L.M., Khetwady.
DeSouza, A.M., L.M., Khoja Mohlla.
DeSouza, J. F., L.M., Modikhana.
DeSouza, P. J. L., L.M., Khetwady.
Dias M.D., L.R.C.P., L.R.C.S., F.P.S.G., L.M., (Edin.), Parel, Bombay.
Dinsha Bomanjee Master, L.M. & S., Abdool Rehmon Street.
Dorabji Hormasjee, G.G.M.C., Girgaum Road.
Dosabhoy Bezonjee, G.G.M.C., Borah Bazaar Street.
Dossabhoy B. Kandawalla, L.M. & S., Girgaum Road.
Eduljee Cowasjee Apu, L.M. & S., Mandvi.
Eduljee Cowasjee Tukina, L.M. & S., Mandvi.
Eduljee Nusserwanjee, G. G. M. C., Gunbow Road. [Road.
Erachsha F. Settna, L.M. & S., Girgaum
Faria, F. A., L.R.C.P., Cavel.
Ferriera, F. X., L.M. & S., Breach Candy Road.
Fonceca, C., L.M. & S., Lower Colaba.
Framjee E. Madon, L.M. & S., Dhobi Talao. [wady.
Framjee Shapoorjee, G.G.M.C., Khet-
Furdoonjee Byramjee Servai, G.G.M.C., Breach Candy Road.
Godinho, B., L. M. & S., G. B. V. C., Honorary Asst. Physician J. J, Hospital, Thakurdwar Road.
Gomes, L., L.M. & S., Hornby Road.
Gonsalves, J. F., L.M., Bandora.
Heerajee Eduljee, G.G.M.C., Dhobie Talao.
Hormusjee Limjeebhoy Batliwalla, G.G.M.C., 39, Matoonga.
Hormusjee Nowrojee Mistry, L.M. & S., Girgaum Road.
Ismail Jan *Mohamed*, L. M. & S., Chinch Bunder, *Dongri Street*.
Jehangheer J. Cursetjee, L.M. & S., Girgaum Road.
Jehangheer K. Dajee, L.M. & S., Kalbadevi Road.
J C. Cambata, 41, Rampart Row, Opposite Rajabai Tower.
Kavasjee Motabhoy, L.M. & S., Girgaum Road.
Krishnarao B. Bullel, M.D., Homœopathic Physician, Eye and Ear Surgeon, Girgaum Road.
Kher, G. B., L.M. & S., Girgaum Back Road and Fanaswadi.
K. R. Vicajee, M.D., Kalbadevi Road.
Manakbai, Tarkhad, Miss A. L. M. & S.
Monte, A., M.D., Medows Street.
M. D. Karanjia, Dhobi Talao and Medows Street.
M. R. Settna, L.M. & S., Khetwady.
Munique, F., Medows Street.
N. N. Katrak, L.M. & S., Bazaar Gate Street.
Nanabhoy Cooverjee Mody, L.M. & S., Mody Khana.
Nusserwanjee Jehangir Lamna, G.G.M.C., Mahim. [Road.
Pandoorang Gopal, L.M., Girgaum Back
Parmanand, Ramkrushna Narayan, Girgaum and Kalbadavi, L.M. & S.

Perozsha Pallanjee, L.M. & S., 87, Dhobi Talao.
Pestonjee Muncherjee, G.G.M.C., Shaik Abdool Raiman Street and Fort.
Pestonjee Nowrojee, G.G.M.C., Shaik Abdool Raiman Street.
Pinto, J. O., L.M. & S., Girgaum Road.
Rajabally Visram Patel, L. M. & S., Nishanpada Khadock.
Ramdas Gungadas, L.M., Bazaar Gate. Street.
Reynolds, J., M.D., Middle Colaba.
Rustomjee Nusserwanjee Khory, M.D., Girgaum Road.
Ruttonjee D. Nanjee, L.M. & S., Girgaum Road.
Sadashiva Vaman Kane, L. M. & S., Thakurdwar.
Shamrao Narayenjee, G. G. M. C., Girgaum.
Shantaram Vithul, L.M., Girgaum Back Road.
Smith, S., M.D., Nesbit Lane, Mazagon and Rampart Row.
Sorabjee Dosabhoy Nadirshah, L. M. & S., Patel Street.
Temuljee Bhicajee, L.M., Cowasjee, Patell Street.
Trilokekar Vinayek Sokaji, L. M. & S., New Line Street.
Vaz, J. C., Khetwady.
Viegas, A.G., L. M. & S., Cavel and Girgaum Road.
Vishwasrao Baljee, L. M., & S. Kandawadee Lane.
V. A. Parulkar, L. M. & S., Thakurdwar.
Walker, S. B., Medical Practitioner, 71, Pydhoni, Bombay.

SURVEYOR AND DRAUGHTSMAN.

Fern, E. W., Nawab's Bungalow. Nesbit Road, Mazagon.
Pestonjee Dadabhoy, Church Lane.

TAILORS AND OUTFITTERS.

A. Mahomed & Co., Medows Street.
Allan, A., Hummum Street.
Allarakia & Co., Medows Street.
Army and Navy Co-operative Society, Limited, Church Gate Street.
Asquith and Lord, Apollo Road.
Badham, Pile & Co., Rampart Row.
Bhesania, J. B., and Co., Hornby Road, Opposite Novelty Theatre.
Cheap Jack & Co., Rampart Row.
Clark, Harry, & Co., Medows Street.
Essubjee Adumjee, Medows Street.
Evans, Fraser and Co., Esplanade Road.
Haji Ebrahim Brothers, No. 1, Upper Storey, opposite Crawford Market.
Haroon Cassum & Co., Medows Street.
Haroon Ebrahim, Medows Street.
Hoar & Co., Esplanade Road.
Jacob Salay Mahomed & Co., Medows Street.
John Mahomed, Medows Street.
M. Shaik Abool and Co., Rampart Row.
M. Seedik & Co., Medows Street.
Mackay & Co., Esplanade Road.
Meyajee Ahmedbhoy, Medows Street.
Moosa Essaw & Co., Apollo Road.
Nansey Khyraz, Medows Street.
Noor Mahomed, Medows Street.
Pryer, Mrs., Medows Street.
Smith, Mrs. C., Bellasis Junc. Road, Byculla.
Taylor, Mrs., Medows Street.
Thorpe & Co., Esplanade Road.
Watson & Co., Church Gate Street.
Whiteaway, Laidlaw and Co., Hornby Road.

TEA DEPOTS.

Army and Navy Co-Operative Society, Limited, Bruce Lane.
Bolton & Co., Ld., Esplanade Road.
Damodar Ratansi, Kalbadevi Road.
Dantra, M. B., & Co., Church Gate Street.
D. V. DeSouza,
DeVitre & Co., Kalbadevi Road.
Dinshaw Merwan, Prince's Dock Frere Road. [Circle.
Himalayan Tea Depot, Elphinstone
Mody, J. E., Hornby Road.
Morton, Majoo & Co., Church Gate Street.
Phillips & Co., Ld., Esplanade Road and Byculla.
R. Ramchundra & Co., Chapore Teas, Forbes Street.
Thow Wing, Chinaman, Kalbadevi Rd.
Tong Woh & Co., Kalbadevi Road.
Treacher & Co., Esplanade Road and Byculla.
United Service Stores Agency, Meadows Street, and Cumballa Hill.
Yue Lun Chinge, Kalbadevi Road.

TOBACCO AND CHEROOT DEPÔTS.

Army & Navy Co-Operative Society, Ld., Apollo Road.
Dinshaw Merwan, Prince's Dock, Frere Road and Pydhowni.

Henry & Co., Hummum Street.
Irani Hormaz Sheriar, No. 3, opposite Crawford Market.
Macropolo, D., Hornby Road.
Melachrine, M., & Co., Esplanade Road.
Morgan & Co., Medows Street.
Neuberg, J., Medows Street.
Phillips & Co., Ld., Esplanade Road and Byculla.
Thomson and Taylor, Esplanade Road.
Treacher & Co., Esplanade Road and Byculla.
United Service Stores Agency, Meadow Street.
Williams, P., Kalbadevi Road.

UNDERTAKERS.

Annunciation, W.F., Bhuleshwar Road
Borges, J., Kalbadevi Road.
Brown, J. T. T., Bellasis Road, Byculla.
Hamilton & Co., Byculla and Lower Colaba.
Jones & Co., Byculla.
Serpis, J., and Co., Clare Road, Byculla.

VETERINARY SURGEONS.

Ghosla Mitha & Co., Girgaum Road.
Scott, R., Girgaum Road.
Stephens and Sons, Girgaum Road.

WATCH-MAKERS.

Amirchand Shiwraj & Co., Pydhoni.
Amroodeen Kikabhoy, Medows Street.
Army & Navy Co-Operative Society, Esplanade Road.
B. Rustomjee, Forbes Street.
Bezonjee Dhunjeebhoy, Parsee Bazaar Street.
Bomonjee Nusserwanjee, Forbes Street.
Bomonjee Nusserwanjee, Forbes Street.
Brandon, E. I., Esplanade Road.
C. Ardesheer & Co., Bazaar Gate.
Charpie, G. A., and Co., Hornby Road.
Cursetjee Cowasjee, Medows Street.
Dhunjeebhoy Furdoonjee Katruck & Co., Medows Street.
Dinshaw Eduljee, Bazaar Gate Street.
Dorabjee Cowasjee & Co., Medows Street.
Dossabhoy Burjorjee, Medows Street.
Fetterie, A., & Co., Hornby Road.
Framjee Hormusjee, Medows Street.
Heiniger, C. and Co., Hornby Road.
Hormusjee Maneckjee & Co., Medows Street.
Goolam Hoosein Sullemanjee, Bazaar Gate Street.
Hurrichand Pranjivan, Pydhoni.
Jamsetjee Framjee, Medows Street.
Jaffer Peer Mahomed, Medows Street.
Jamsetjee Hormusjee, Pydhoni.
Jamsetjee Muncherjee, Medows Street.
Kaikhosro Nusserwanjee Master, Church Gate Street.
Kanny & Co., Medows Street.
Langner, R., Hornby Road.
Lund, Blockley and Carter, Apollo Street.
Maneckjee Nowrojee, Church Gate Street.
Marcks & Co., Esplanade Road.
Merwanjee Cursetjee, Borah Bazaar Street.
Nanabhai Damodhar, Kalbadevi.
Nowrojee Cowasjee, Bazaar Gate Street.
Nuserwanjee Hormusjee, Church Gate Street.
P. Ruttonjee, Forbes Street.
Pallonjee Rustomjee & Co., Kalbadevi Road.
Pallonjee Shapoorjee, Medows Street.
Pestonjee Framjee, Forbes Street.
Peterson, J. & Co., Esplanade Road.
R. Byramjee Hormusjee, Medows Street.
Sorabjee Burjorjee, Medows Street.
Sorabjee Muncherjee, Bazaar Gate Street.
Sorabjee Jamsetjee Cooverjee, Borah Bazaar, Street.
Steffenauer, L., Church Gate Street.
Vogel, H., and Co., Medows Street.
Waterbury Watch Company, Medows Street.
West End Watch Co., Allice Buildings.

WHOLESALE STATIONERS, ETC.

Abdoolali & Co., Parsee Bazaar Street.
Alibhoy & Co., Gunbav Lane, Fort.
Balcrishna Sazba & Co., Jagannath Sadashiv Street.
Byramjee Shapurjee, Sootar Chawl.
Finlay, Muir & Co., Forbes Street.
Hasanalli Abdoolalli, Parsee Bazaar Street.
Miya Saheb Suraffalli, Sutar Chal.
Nuzzerali & Co., Parsee Bazaar Street.
Shaik Ahmed Shaik Dawood, Bhoosari Mohla.

WINE AND PROVISION MERCHANTS.

Army & Navy Co-Operative Society, Ld., Esplanade Road
Ardeseer Jamsetjee, Medows Street.
Bolton & Co., Esplanade Road.
Bull and Co., Sirdar's Mansions, Apollo Bunder.
Byramjee Nusserwanjee Servai, Mazagon Road.
Cowasjee Dinshaw Adenwalla.
Cursetjee Rustomjee Mody, Forbes Street.
Cursetjee Jivajee Mhow, Medows Street.
Cutler, Palmer & Co., Esplanade Road.
Dhunjibhoy Rustumji Oomrigar, Crawford Market.
Dhunjeebhoy Rustomjee and Co., Medows Street.
Denison & Co., Hummum Street.
Dhunjeebhoy Rustomjee & Co., Medows Street.
D. R. Dady & Co., Cowasjee Patel Street.
D. P. Bhata & Co., Apollo Street.
Eduljee Bejunji Lakdawalla, & Co. 139, Bazaar Gate Street, Fort.
Eduljee Pallanjee Botliwalla Parsee Bazaar Street.
Essai, W. J., Medows Street.
Framjee Nowrojee, Forbes Street.
Jamison and Co., Frere Road.
Jamsetjee Nowrojee Kapadia, Abdool Rahaman Street.
Jeejeebhoy Jehangier & Co., Bank Street.
Jehangeer Framjee & Co., Apollo Road.
Jehangeer Cooverjee & Sons. Apollo Road.
Kaikobad Cowasjee Dinshaw.
Lyon & Co., Rampart Row.
Murray & Co., Medows Street.
Morenas & Co., Medows Street.
Palonjee Heerjeebhoy & Sons, Medows Street.
Phillips & Co., Esplanade Road.
Phipson & Co., Apollo Street.
Pochajee Framjee and Co., Apollo Road.
Purshotam Odhowjee, Kalbadevi Rd.
R. Ramchandra & Co., Forbes Street.
Treacher & Co., Esplanade Road and Byculla.
United Service Stores Agency, Medows Street.
Ungwar, William, Medows Street.
Vussonjee Purshotam, Kalbadevi Rd.

FORT STREET OFFICE DIRECTORY.

Apollo Road.

West Side.

[*St. Andrew's Church to the Cathedral.*]

St. Andrew's Church.
Great Western Hotel, Old High Court Building.
Barjorji M. Morris, Cabinet Maker.
Sorabji Santook & Co., Carriages & Horses for sale & hire & exchange.
Bennett & Co., Auctioneers.
Ahmedbhoy Habibbhoy, Bookseller.
Hajee Noor Muhammad Tar Mahommed, Bookseller.
Phipson & Co., Merchants.
Messrs. McAfee & Gordon.
F. Luckha, Signboard Painter.
Nagardas Parbhoodas & Co., Merchants.
Cowasji Jehangirji & Son.
F. M. Madon and Co.
Jehangeerjee Framjee & Co., General Merchants.
Asquith & Lord, Tailors & Outfitters.
Pechey-Phipson, Mrs., M.D.
J. F. B. Mitchell & Co., Mazagon Iron Works, Branch Office
Pearse & Co., Ld., Confectioners.
Volkart Brothers.
Baden Marine Insurance Co.
Batavia Sea and Fire Insurance.
Hamburg Bremen Fire Insurance Co.
Northern Assurance Co.
North German Fire Insurance Co.
Samarang Sea and Fire Insurance Co.
Transatlantic Fire Insurance Co.
Volkart United Press Co., Ld.
Ardaseer Dorabji, Dental Surgeon.
South British Fire and Marine Insurance Co., of New Zealand.
Bank of China, Japan & the Straits.
Imperial Bank of Persia.
Royal Insurance Co.
Army and Navy—Tobacco, Wines, Drugs, Games, Optical, and Scientific Instruments.
Manz & Co., Bombay Agency.
Agents for Bombay-Burmah Trading Corporation.
Agents for Commercial Union Assurance Co., Ld.
Leopold Cassela & Co., Agents.
Bombay Natural History Society.
Bombay National Association for Supplying Medical Aid to the Women of India, Bombay Branch.
P. J. Valckenberg, Worms and Rhein Agency.
Page and Sandeman, London Agency.
Wodehouse & Co., Marsala, Agency.
Cockburn, Smith and Co., Oporto Agency.
James Cathcart & Co., Leith Agency.
A. deLuze et Fils, Bordeaux Agency.
Leacock and Co., Madeira Agency.
Van Zellers and Co., Oporto Agency.
Kid and Shadbolt, London Agency.
P. M. Mula Firoz, Life and Fire Insurance Agents.
S. M. N. Chandabhoy, Architect, Agents and Surveyors.
The Sun Mills, Limited.
The New Great Eastern Spinning and Weaving Co., Limited.
Duckworth, Shiroadkar and Co., Machinery Agents and Mill Stores Suppliers.
Messrs. Wadia and Ghandy, Solicitors.
Indian Cotton Seed Product Co., Ld.
Macbeth Brothers, Engineers, and Machinery Merchants.
The Bombay Company, Limited.
The Bombay Burmah Trading Co., Ld.
Wallace and Company.
Army and Navy Stores, Branch Depot.
J. M. Tarachund, Dental Surgeon.
Wadhwan City Ginning, Pressing and Manufacturing Co., Limited.
Ferguson and Irvine, Chartered Accountants.
Boult Brothers and Co., Sole Importers of Leonard and Ellis's Valvoline Cylinder, Machine and Spindle Oils.
M. Ukaji and Brother, Lithographers.
Cawasjee Dossabhoy Battlewalla, Furniture Dealer and Platedware and Fancy Goods Merchants.
The Dhulia Ginning & Pressing Co., Ld.
Agents for Marine, Fire, and Life Assurance Co., Ld.
Moosa Essa & Co., Tailors and General Outfitters.
D. R. Umrigar and Co., Mill Stores Suppliers and General Merchants.

Cursetji Muncherji's Sons, Dubashes.
Shalabhoy Tyebji & Co., Ship Chandlers.
Agents Compagnie Lyonnaise, North China Insurance Co.
Agents for British and Foreign Marine Insurance Co.
Universal Marine Insurance Co.
Agents for La Fonciere (La Compagnie Lyonnaise).
Agents for D'Assurances Maritimes Reunie.
Sorajbee Shapurjee Narellwalla, Mill Stores and General Merchant.
Sorabjee & Jamsetjee Khan, Jewellers.
Bomanjee Ruttonjee, Licensed Vendor of Postage Stamps and Stationery.
Danish Consulate.
Cooverjee B. Mistry, Cabinet Maker.
A. C. DeSouza, Tailor and Outfitter.
Private Board and Lodging.
Ripon Printing Press.
S. S. Zad, Electroplater.
Hormusjee Cowasjee Ghandy.
Jamsetjee Ruttonjee & Co.
H. M. Angel.
F. E. Wallace.
E. A. Currim.

East Side.

[*Apollo House to Elphinstone Circle.*]

Apollo House—
Grand Bar.
Hormusjee Cowasjee & Co., Dubashes.
Rustumjee Merwanjee Gazdar.
Rustumjee Sorabjee & Co., Ship Chandlers, &c.
Arya Sookh Shanti Graha.
A. P. Cortez, & Co., Lithographers.
D. P. Bhatta & Co.
Surrafally Mamooljee & Co., Sole Agents for Wylie & Lochhad.
C. Macdonald & Co., Merchants.
Caledonian Fire Insurance Co.
Bally Paper Mills Agency.
Prussian National Fire Insurance Co.
Mannheim Marine Insurance Co., Ld.
Dinsha Furdhoonji Brs. Importers of Machinery.
Cowasjee Metha & Co., Merchants.
Cowasjee Jamsetjee.
Barsi Oil Company's Agency.
Lukhmidas Khimjee Spinning and Manufacturing Co., Ld.
Bertie-Smith & Co., Wholesale Exports and Drug Merchants,
Esmalji Ebrahimji & Co., Merchants.
Sheriff, Son & Co., Auctioneers.
P. M. Mody, Ship Chandler.
Soares, Joseph, Merchant.
Criterion Restaurant.
N. P. Nathan & Sons.
Amritsar Manufacturing Co., Ld.
John Fachiri, Merchant.
Jamsetji Ruttonji & Co.
British India Officers' Club.
Pallonji & Co., Confectioners & Public Caterers.
Rustomji C. Patel, Merchant.
F. Barnett and Co. Leather, Hide, and Bark Factory.
Cowasjee Brothers.
D. R Dady & Co.
Coulson, T. & Co, Shipping and Passenger Agents.
Oriental Cigar Emporium.
Anglo-Indian Spinning and Manufacturing Co., Ld.
Batlibhoy & Co.
M.S Keshavlal, Mill Stores Supplier, Commission Agents, &c.
Mahler and Roscher, Sole Agents in India.
Agra S. and W. Mills Co., Ld.
Mercantile Press Co., Ld.
J H. Latimer and Co.
Talockchand and Shapurjee.
Britannia Mills Co.
R.N. Mant.
C.A. Turner, Solicitor and Notary Public.
Pranlal K. Joshipara.
Broach S. & W. Co., Ld.
Einar Rolfsen & Co.
Lord Reay Manufacturing Co., Ld.
Agents—Khote & Co.
New Dhollera Cotton Pressing and Ginning Co., Ld.
Official Liquidators of the New Fleming S. and W. Co., Ld., and the New Alexandra S. and W. Co., Limited.
Bombay Medical Union.
Cowasji Jehangir & Son, Dubashes.
Advocate of India Printing Press.
Buxey and Co.
The Lord Reay Manufacturing Co. Ld.
The Gold Mohur Mills Co., Ld.
The Oriental Share Trust Co., Ld.
The Asiatic Fire Insurance Co., Ld.
The Norwalk Fire Insurance Co., Ld.
A. Mahler, Agent, The Patent Welbach.

Incandescent Gas Light Co., Ld.
Commercial Union Association Ld., Branch Office.
The Naranji Mills Co., Ld.
Madhav Virjee, Solicitor.
The Hindustan Pressing and Manufacturing Co., Ld.
The Diamond Printing Works.
The Bombay Native Manufacturing Co., Ld.

Armenian Lane.

Presidency of Bombay Printing Press.
Ardaseer Burjorjee & Co.
Badham, Pile and Co.'s Workshops.
Maharani Ice Co., Ld.
BOMBAY GAZETTE Steam Press Printing Works.
Kemp & Co.'s Laboratory.
W. Pearson.
Ahmedbhoy & Co., Commission Agent
M. A. Patheria, Merchant.
Lewis Smiles and Co., Engravers & Die Sinkers.

Ash Lane.

Bombay and Persian Steam Navigation Co., Ld.
Arabian Steam Launch Co., Ld.
F. B. Murzban, Stationers, Printers, &c.
Marcks & Co., Watchmakers and Jewellers.
Bowack, James.

Bake House Lane.

S. M. D'Souza, Baker.
Duxbury, & Co., Ld.

Bell Lane.

Tea and Coffee Rooms for Hindus.
Ardeshir B. Kapadia, Barrister-at-Law.
Jamsetjee Cursetjee Cama, Solicitor.
Rustomjee Cursetjee Cooper, Civil Engineer.
Framjee Ardeseer Davur, Merchant and Commission Agent.
Mathubhai & Jamietram, Solicitors, High Court.
Choonilal Nagindas & Co.
C. J. Joshi, Licenciate of Civil Engineering.
Jamsetjee Pallonjee Kapadia.
Jamshedjee, Brothers & Co.
Wilkins, E., Solicitor, High Court.
Framroze D. Shroff's Sodawater Factory.
Archibald, A. Crawford, Engineer.
B. S. Maju and Co., Sodawater Manufactory.
Thacker and Co.'s Lithographic Press.
Swift and Farrow, Public Accountants, Auditors, &c., of the Bombay Trading Association.
Hari Vishnoo Lele, Architects, Civil Engineer and Municipal Licensed Surveyor.
Bomanjee Cowasjee Tapia.
Dhirajlal P. Shroff, Barrister-at-Law.
Ahmedbhai and Kairullal, Commission Agents.
Cooper and Cooper, Publishers.

Bruce Lane.

West Side.

[*Diverging from Tamarind Lane to Apollo Road.*]

Army and Navy—Grocery, Turnery, Jewellery, China Ware, & Gun Dept.
L. G. Inzoli.
South British Fire and Marine Insurance Co., New Zealand.
N. Kaji and Brothers, Lithographers.
Messrs Bradbury, Brady and Co.
The Dressing, Pressing and Ginning Co., Limited.
The Jain Manufacturing Co., Limited.
The Bhartpore Press Co., Limited.
Messrs. Gill and Co., Phœnix Fire Office.
The Palatine Insurance Co., Limited.
Bombay Local Centre of the London Chamber of Commerce.

Church Gate Street.

South Side.

[*Esplanade to the Cathedral.*]

Imperial Indo-European Agency Co., Limited.
Consulate de France.
C. R. Bolton.
Palatine Insurance Co., Ld., Fire Accident.
Midland Press & Mfg. Co., Ld.
Hongkong Fire Assurance Co., Ld.

Gaddum, Bythell & Co., Merchants.
New Berar Co., Limited.
Indian Cotton Co., Ld.
Anglo-Indian Cotton Ginning and Oil Co., Limited.
Union Insurance Society of Canton, Limited.
Priest and Co., Singer Cycles.
L. Steffenauer, Watch-maker and Importer of Musical Instruments.
Royal Exchange Assurance Corporation.
Sun Life Assurance Co. of Coconada. Agent—Kishnarao Ramchandra.
Carl, Wallace, Merchant.
Victoria Sewing Machine Company.
N. B. Dantra & Co., Tea and General Merchant.
Japan Trading Co., Ld.
Midland Press Co, Ld.
Frank Davidson & Co., Dealers in Sewing Machines.
Cutler Palmer & Co., Wine Merchants.
Army & Navy—Tailoring, & Saddlery.
J. B. Macfadyen, Marine Surveyor.
B. Nazir & Co. Import Agents.
Donan Insurance Society of Vienna.
Coorla Spinning & Wg. Co., Ld.
Vishram Ebrahim and Co.
Jubilee Manufacturing Co., Ld.
Bombay Tile Co., Ld.
Western India Land Building and Mortgage Co., Ld.
K. M. Master, Watchmaker.
Austro-Hungarian Consul-General's Office.
Star of India Mills, Ld.
Bombay Cotton Press Co., Ld.
Queen Spinning & Weaving Co.
A. Colasco, B. Sc.
C. deSilva, Architect.
W. Rebsch, Executive Engineer.
E. Sohen.
O. Meyer.
J. A. Grant.
A. Speakman.
M. A. Noorbhoy, Gunsmith.
Singer's Sewing Machine Depôt.
K. R. Vacha, L.C.E., Architect and Civil Engineer.
D. R. Pundole, Watchmaker and Repairer.
C. Hirsch & Co., Vienna Confectionery.
English Press and Manfg., Co., Ld.
S. B. Katrak.
Hirjee J. Dady Sett, L.R.C.P.
Dr. K. M. Gimi, Surgeon Dentist.
Maneckjee Nowrojee, Watchmaker.
Mistri and Bhedwar, Architects, Engineers and Surveyors.
B. D. Motiwalla, Wholesale and Retail Stationers Medicine Vendors.
Sewing Machine Co., Ld.
Tapidas Varjdas Spg. & Mfg. Co., Limited.
P. D. Kanga & Co.
Morton, Maju & Co., Tea Importers.
C. F. Freedoon and Co., Tailors, Merchants and Commission Agents.
The Parisian Restaurant.
F. S. Talayarkhan, Barrister-at-Law.
Bombay Land Building Co., Ld.
English Type Writing and Short-hand Class.
J. J. Patel, Dental Surgeon.
Chick & Co.
Bombay Civil Engineering Class.
Maneckji & Co., General Merchants.
M. D. Karanjia & Co., General Merchants.
The Bombay Cycle Agency.
Drewet Chowna and Co, Civil and Mechanical Engineer.
K. Madon & Co., Occulist & Opticians.
Victor & Co.
Rustomjee N. Byramjee Jeejibhoy.
T. A. Soares, Purveyor & Genl. Agent.
Jamsetjee Nusserwanjee Petit Reading Room and Library.
Vussonjee Purshotum & Co.
The Cathedral.
Dr. Dadysett, *Physician & Surgeon.*

South Side.

S. J. Patel, Dental Surgeon.
Jehangir J. Cursetji, M.D.
S. L. Norman, & Co., Newspaper and Periodical Agents.
G. E. LeMaistre, Importers of Guns, Rifles and Revolvers.
H. Berry & Co.
F. MacFarlane & Co.
T. G. Hill, & Co.
Bombay Branch, Theosophical Society.
D. B. Lam & Co.
Jehanghir Dorabji, B.A., Pleader.
B. & L. Ranay, Engravers.
Bala Appa, Jeweller and Goldsmith.
Cowasjee Dinshaw's Reading Room and Library.

Dalvie Brothers, Cigar Merchants.
Metha Brothers, Cloth Merchants.
Phirozshaw Dinshaw Mukadum, Bookseller, Publisher & Stationer.
T. Von Wernich, Import Agent.
Imperial Marine Insurance Company, Tokio.

Canton Insurance Office.
Triton Insurance Co.
Bombay Philatectic Society.
E. Wood.
H. Janni.
Cowasji Dinshaw Library and Reading Room.
Khodabakhsh Merwan, Dealer in used Stamps, & General Merchant.
K. B. Chowksey & Co, Jewellers.
Damurudha Paribarik Sansthan Co., Limited.

Deccan Banking Agency Co., Limited.
Blogg and Katrak.
The Dinshaw Petit Reading Room and Library.
Rustomjee Ardaseer & Co., Sewing Machine and Cycle Agents.
New Royal Washing Co.

[*Diverging to Cowasjee Patel Street.*]

N. D. Bottlewala.
Dufftar Ashkara Printing Press.
W. Corfield & Co.
Glasgow & London Insurance Co., Ld.
Fraser & Co., Chemists and Druggists.
Dr. K. M. Hiramaneck.
Maurice Schuster Lyon.

R. S. Oonwalla & Co., Merchants.
British and Continental Agency.
Hirjee J. Dady Sett, L. M. & S.
D. Dorabjee & Co.
Dossabhoy & Co., Commission Agents.
J. Sorabjee, Tailor.
Murcott, Price & Co.

Poole, Clement, Agent for J. H. Bower & Co., London.
Bombay Association of Fire Insurance Agents, Secretary's Office.
Indian Marriage & Death Benefit Fund.
Sandhurst & Co., Commission Agents.

[*Facing the South Side of the Cathedral.*]

Times of India Steam Pringting Works.
Hongkong and Shanghai Banking Corporation.
B. B. & C. I. Railway General Offices.

Navigazione Generale Italiana Florio and Rubattino's United Company, Agency of the Austrian Lloyd's Steam Navigation Company.
Royal Swedish and Norweigian Consulate.

Kemp & Co., Ld., Chemists, &c.
Consolato D'Italia.

Dalal Street.

Gostling and Morris, Architects and Civil Engineers.
B. Rigold & Bergmann, Merchants.
Beier & Katz.
Jehangir Hormusji & Co., Merchants.
Berar Manufacturing Co., Ld.
Bombay and Akola Manufacturing Co., Ld.
Sun Life Assurance Co. of Coconada.
Ardeshir Framji Moos, Merchant.
Southern India Spinning and Weaving Co., Limited.
Mahuva Manufacturing Co., Ld.
Agent, Krishnarao Ramchandra.
Tapidas Vurjdas & Co.
Prince of Wales' Trading Co., Ld.
G. M. Kalkasan & Co.
Apollo Printing Lithographic Works.
M. M. Mody & Co, Merchants.
N. Ukaji & Brothers.
Albert Press Co.
Bombay Branch of the East India Association.
Raphael & Co.

[*Apollo Road to Imperial Hotel.*]

Imperial Hotel.
Sir Dinshaw Manockji Petit Native Brokers' Exchange Hall.
"Eagle" Printing Press.

Dean Lane.

[*Tamarind Lane to Hummum Street.*]

Walton and Bromley, Dental Surgeons.
Bhownagar City Press Manufg. Co.
Venishanker Luxmishanker Cotton Mills Co., Ld.
Agents—Walter N. Cresswell & Co.
Sir Jacob Behrens & Sons, Bradford.
Surat City Press Co., Ld.
F. D. Shroff.
Broach City Press Co., Ld.
Tothill Sharp & Co., Agents.

Elphinstone Circle.

[*North Section of the Circle, including the short bisecting Homjee Street.*]

G. E. Nixon.
Halbrook & Co.
R. Haworth & Co.
M. M. Bottlewala & Co.
J. Dickinson & Co.
H. M. Good.
MacMillan & Co.
J. V. W. McNaught, Rochdale.
Fleming, McFarlane & Co.
C. J. Michael.
Musical Studio, Mrs. Seymour Dove.
The Cosmopolitan Library.
Meldrum Bros., Manchester.
Furdoonjee Framjee, Coal Broker.
Cathedral Girls' High School.
Fort High School.
Chartered Bank of India, Australia, and China.
A. L. Billimoria & Co, Commission Agents.
Hill, Son, & Grenan, Stevedores.
B. Ferozshaw & Co.
Dinshaw Rustomji Dubash.
Mrs. R. J. Pettigrew.
Ex. Engr. Military Works Office.
Barrack Master's Office.
Chartered Mercantile Bank of India, London, and China.
G. Service, & Co.
International Ship Masters' Club.
South Indian Export Co., Ld.

[*Facing the Mint.*]

Byramjee Bezonjee & Co., Merchants.
Bombay Proprietary High School.
Ripon Music Club.
J. Nowrojee & Co., 3, Sassoon Buildings, Mill and Ship Store Suppliers and General Merchants and Commission Agents.
Dadabhoy Byramjee, Cabinet Maker.
English Mill Stores Supply Co., and Machinery Merchants.
Eastern Printing Press.
Mercantile Marine Office.
Shipping Office.
Commissariat and Presidency Pay Offices.
Head Quarters, B. V. A.
Ordnance Lines.
Marine Storekeepers, &c., &c.

[*Facing the Custom House.*]

W. H. Nebel, Commission Agent.
New York Life Insurance Co.
Bengal Timber Trading Co., Ld.
H. M. Good and Co.
Blundell Spence and Co.
V. G. Martin.
F. Barnes.
J. Campbell.
A. Durst.
N. V. Kurranee, Forwarding and Custom House Agents.
Messrs. Hussonally Mulla Hakimji and Bros., Landing, Shipping, Contractor, Merchants.
Jehangheer Dhunjeebhoy and Co.
Walter Nutter & Co.
Foreign Trading Agency.
R. Gillett.
G. E. Jones.
M. R. C. Lees.
R. H. Patuck.
W. Bullock.
Turner, Morrison & Co., Agents.
City of Glasgow Life Assurance Co.
Asiatic Steam Navigation Co.

[*North of Circle along Bank Street.*]

A. Sabapathy Moodeliar and Co., Secretaries and Agents to the Harvey and Sabapathy Co., Ld.
Anglo-Lusitano Press.
Bauer and Krause.
Bhurhanpur Press Co., Ld.
Bellary S. and W. Co., Ld.
Southern Mahratta S. & W. Co., Ld.
Drennan & Co., Agents.
Alcock, Ashdown & Co., Ld., Engineers' Works, Mazagon.
N. Fatehally & Co.
Indian Cabinet and Carrara Marble Mart.
Madras Electric Tramway Co., Ld.
Dattatrya Balkrishna & Co.
P. S. Pochajee, Agents.
N. S. Pochajee & Co.
W. Gurtler.
Mitchel & Co., Brokers.
A. E. Cummins, Civil and Mechanical Engineer.
Shri Luxmi Vanketesh S. & W. Co. Ld., Bagalkote.
L. G. Sampat.
Mehta Sampat & Co.
Muncherji Pallonji, Civil Engineer,
Bombay Telephone Co., Ld.
Imperial Fire Insurance Co.

London and Provincial Marine Insurance Co., Ld.
International Marine Insurance Co., Ld.
Southern Insurance Company, Limited.
Bank of Bombay.
Government Savings Bank.
C. J. Khumbatta and Co., Landing, Shipping and Forwarding Contractors.
Union Spinning and Manufacturing Co. Limited.
The Sind Press Co., Limited.
A. Readymoney and Co., Auctioneers and Commission Agents.
Gresham Life Assurance Co., Ld.
Croft, Mody and Co
G. and K. Indap and Co., Engineers, Die Sinkers, &c., &c.
The French Perfected Horseless Carriage Co.
The Chhoi Silk Mill Co., Limited.
Eugene Meifre.
The Mysore Spinning and Manufacturing Co., Limited.
The Champion Printing Office.
D. M. Raval and Co.
The Presidency Mills Co., Limited.
Northern Fire and Life Assurance Company.
Delhi and Northern India Flour Mills Co., Limited.
New French Press Co., Limited.
Volkart's United Press Co., Ld.
Dhamodar Khits.
B. and N. J. Sanjana, M. S. A., Architects.
A. Murcott and Co.
Gower Dodson & Co.
Rustim, Procter & Co.
C. Duckering.
P. P. Thakkar and Sons.
Jehanghir Dhunjibhoy and Co.
D. Rustomjee & Co.
Kerrawala Brothers.
F. W. Shallis, Engineer and Agent.
Martin, Cohen & Co., Agents for T. W. & F. Walker, Liverpool.
Pulsometer Engineering Co., Ld.
Ransomes, Sims and Jefferies.
Ridsdale Ry. Sighting Co.
Nasmyth Wilson & Co.
Daniel Adamson & Co.
Petlow Brothers
H. Pooley and Son.
Greenwood & Co.
Cocker Brothers, Sheffield.
Ritchie, Steuart & Co., Merchants.
Gokak, Water, Powder and Manufacturing Co., Ld.
Liverpool and London Globe Insurance Co., Fire and Life.
Ocean Marine Insurance Co., of London. [of Liverpool.
Union Marine Insurance Co., Ld.,
Eastern Mortgage Agency Co., Ld.
West Patent Press Co., Ld.
F. Sauquet & Co.
Ordnance Mess.
Hall Line of Steamers.
Bates, Edward & Co.
Gourock Ropeworks.
Mofussil Cotton Manufacturing Co.
J. Fleming, & Co., Engineers & Contractors.
Hyderabad (Deccan) Spinning and Weaving Co., Ld.
Fleming, Shaw & Co., Agents.
Union Marine Insurance Co.
Courodian Fire and Life Assurance Company. [ance Co.
North British & Mercantile Insur-
M. Ostermeyer, & Co.
T. Bromley, Junior.
P. Nusserwanjee & Co.

South Side.

Killick, Nixon & Co.
Agents to the Queen Insurance Co.
British & Foreign Marine Insurance Co.
Lion Fire Insurance Co., Ld.
Bombay Gas Company, Ld.
Latham, Abercrombie & Co., Agents to the Imperial Fire Insurance Co. of London. [ance Co.
Scottish Union & National Insur-
Birkmyre Bros., Merchants and Agents for Gourock Rope work Co., Greenrock Sail Cloth and Cordage Manufacturers.
Sanday & Co.
Bank of Bengal.

[*South Section of Elphinstone Circle, turning to East of Apollo Road.*]

Gysi and Kleinjung, Merchants.
K. R. Setna, Stationer.
Kerr, Tarruck & Co. [Agents
Grindlay, Groom & Co., Bankers and
Mannheim Insurance Co.
Ruttonjee Denso & Co., Brokers.
J. Mackintosh & Co., Freight Brokers.
F. B. Stratton.
Kiddle Bros., Brokers.

The Anglo-Indian Stirelizing Co.
The British Express Dairy Co.
C. H. Jahier.

Esplanade Road.

East Side.

[*East End of Church Gate Street to Armenian Lane.*]

F. Finkelstein, The Pall Mall Hair Cutting Saloon.
Lawrence & Mayo, Occulists-Opticians.
J. Peterson, Watch Manufacturers; Successor to Fauvre Leuba & Co.
Ditmar, R., Lamp Warehouse.
Ralli Brothers, Merchants.
*Agency, French Line of Steamers.
Vacuum Oil Co., Oil Manufacturers.
Dr. K. G. Deshpande.
S. Narayen & Co.
Abdalla M. Dharamsi, Solicitor and Notary Public.
Jamietram Nanabhai, Advocate.
Thakurdas Dharamsi & Cama, Solicitors & Notaries Public.
M. D. Dadysett, Barrister-at-Law.
Sun Life Assurance Co., Society.
Kursandas Chubildas, Barrister-at-Law.
Thakurdas, Dhruve, Cama and Hormusjee, Solicitors, High Court.
Badham, Pile & Co., Tailors and Outfitters.
Williams & Co.. Merchants.
Edgelow, Goolabchund and Wadia, Solicitors, High Court.
Devereux & Co.
F. P. Doctor. Bar.-at-Law.
Compagnie Des Messageries Maritimes.
G. Charpie & Co., Watchmakers.

[*Oriental Bank to Rampart Row.*]

H. Vogel and Co., Watchmakers and Jewellers.
E. L. Barton.
Baumbach.
J. Westall.
Evans, Fraser and Co., Taylors and Outfitters.
J. Pack, Actg. Agent to the Amir of Afghanistan.
H. Pack, & Co., Bombay and Paris.
F. Ahrle & Co., Photographic Artists.
A. J. Evans.
Paper Currency Office.
Marcks & Co., Jewellers, Watch Makers, &c.
Caron & Co., Boot and Shoe Makers and Saddle and Harness Makers.
Edgelow and Gulabchund, Solicitors.
J. M. Campbell, DD.S., Dental Surgn.
Thomson and Taylor, Chemists and Druggists.
F. A. Foy, Physician & Consulting Surgeon.
Ardesir, Hormusji and Dinshaw, Solicitors.
Sun Life Assurance Company of India, Limited.
Latham & Co.
Pherozeshaw M. Mehta, Barrister-at-Law.
Trustees to Estate of Ookarda Khetsi.
F. Kerigan
Dr. A. Benson, M.D.
Agra Bank, Limited.
E. Spinner, & Co.
A. J. Combridge, & Co., Booksellers and Stationers.
Bourne and Shepherd, Photographers.
Marcks & Co.'s Pianoforte and Organ Saloon.
Hoar & Co., Drapers, Shirt Makers, and General Outfitters.
Thos. Cook, & Son, Tourist and Passenger General Agents.
Thacker and Co., Booksellers and Stationers.
F. Fischer & Co.
Cheap Jack & Co., Tailors & Outfitters.
F. Masotti, Royal Belgian Consulate.
Esplanade Pharmacy, Beynon & Co., Chemists.
Temple Bar Hotel.
M. Ebrahim, Tailor and Outfitter.
Dr. N. M. Cama, Surgeon Dentist.
Pahoomull Brothers, Jewellers, &c.
E. Essac & Co., Tailors.
Hamburg Underwriters' Association.
North German Insurance Co.
S. H. North & Co., Surgical Instrument Makers.
South Australian Insurance Co., Ld., Aldridge, Salmon & Co., Agents.
Enamel Company Bradford Yorks, for Western India.
Mrs. H. A. Austin, Milliner.
Tyabji, Dayabhoy and Jamsetji, Solicitors, High Court.
Westlake, J.
Standard Mill Co., Ld.
David Mill Co., Ld.
J. Neuberg, General Merchant.

East Side.

[*Extreme South End of Esplanade.*]

New Secretariat Building—
Accountant-General's Office.
Sanitary Commissioner.
Assistant Superintendent of Stamps.
Presidency Audit, Pay, Leave and Allowances.
Council Hall.
Secretary to Government, Military, Marine and Ecclesiastical Departments.
Secretary to Government, Political Judicial and Educational Departments.
Chief Secretary to Government, Revenue, Financial and General Departments.
Oriental Translator to Government.
Legislative Department.
Budget and Resource Department.
Library Committee Room.
Elphinstone College.

[*From New Secretariat.*]

Bombay Sassoon Mechanics' Institute.
Esplanade Hotel.
University Hall.
University Library.
High Court—
Sheriff of Bombay.
G. H. Farran, Acting Master and Registrar in Equity, Commr. for taking Accounts and Local Investigations, and Taxing Officer.
B. Lang, Barrister-at-Law, Advocate-General.
A. K. Oliver, Acting Assist. Commissioner for taking Accounts and Assistant Taxing Officer.
N. C. McLeod, Acting Official Assignee, Insolvent Debtors' Court.
Limji Nowroji Banaji, Barrister-at-Law, Acting Prothonotary, High Court, Testamentary & Admiralty Registrar.
H. C. Kirkpatrick, Barrister-at-Law.
L. J. Robertson, Barrister-at-Law.
R. Branson, Barrister-at-Law.
J. C. Anderson, Barrister-at-Law.
E. B. Raikes, Barrister-at-Law.
Scott-Basil, Barrister-at-Law.
L. W. Rivett-Carnac, Barrister-at-Law and Administrator General.

High Court—
C. W. L. Jackson, B.A., Barrister-at-Law, Clerk and Sealer of the Insolvent Debtors' Court.
F. M. Filgate. [and Stamps.
Inspector General of Registration
Registrar of Bombay.
Registrar of Joint Stock Company.
Marriage Registrar.
G. M. Lowndes, Barrister-at-Law.
Jamietram Nanabhoy Haridas, B.A., LL.B., Barrister-at-Law.
K. C. Kama, Barrister-at-Law.
J. Macpherson, Barrister-at-Law.
C. A. Turner, Solicitor.
[*Eldon Road facing the High Court.*]
S. N. Sanjana, Barrister-at-Law.
Dinshaw D. Davur, Barrister-at-Law.
G. S. Manker, Solicitor.
National Bank of India, Ld.
Bombay Gazette Office.
Payne, Gilbert and Sayani, Solicitors.
S. Smith, M.D.
Lyon & Co., Merchants.
Thames and Mersey Marine Insurance Co., Ld.
Maritime Insurance Co., Ld.
Alliance Assurance, Fire and Life Company. [tion Co.
Peninsular & Oriental Steam Naviga-
Atlas Assurance Co.
Marine Insurance Co. Ld.
New Mofussil Company, Ld.
Bolton & Co., General Merchants.
Bombay Club.
Comptoir Natonal D'Escompte de Paris, Ld.

V. Fucile, & Co., Hair Cutting Saloon.
T. Vafiadis & Co., Egyptian Cigarette Merchants.

Crawford, Brown, Bayley and Dunlop, Solicitors and Notaries Public.
Mrs. Edith, Pechey-Phipson, M.D.
Treacher & Co., Limited, Chemists and Druggists, Jewellers and Importers of Silver and Electroplated Wares, Mess and Regimental Agents, Tea and Tobacco and Cheroot Depôts, Watchmakers, Wine and Provision Merchants, Booksellers, Stationers and Importers of Fancy Leather Goods, Photographic Depôt and Importers of Scientific Instruments, Hatters, Glass and Crockeryware Merchants, Cricketing and General Gymkhana Kit, Importers of Ammunition, &c., &c.

Public Works Department.
Post Office.
Money Order Office.
Postal Savings Bank.
Government Telegraph Office.

Forbes Street.

South Side.

[*Apollo Road to Rampart Row.*]

Kanga & Co., Aerated Water Manufacturers.
Pestonjee Framjee, Watchmaker.
Ardeshir Jamsetji, Wine Merchants.
P. E. Forbes, Commission Agent.
D. E. Lair, Photographic Artist.
Framjee Nowrojee, Indian Condiments.
Shamrao Pandoorang, Solicitor.
F. Ruttanjee, Watchmaker.
G. S. Gokhale, L.C.E., Civil Engineer.
Sheikh Adam Esoofally & Co., Merchants and Commission Agents.
David Sassoon & Co., Merchants.
Sassoon Spinning and Weaving Company, Limited.
Sassoon and Alliance Silk Manufacturing Company, Limited.
Sassoon Pressing Company.
The Port Canning and Land Improvement Company, Ld.
Thorold Ellerson and Co., Scientific Instrument Makers and Electro Machinists.
R. Ramchundra & Co., Merchants.
Greaves, Cotton & Co.'s Sample Rooms.
R. Mull's Kangra Valley Shapur Gardens Teas.
Newton's Kangra Valley Chapore Estate Teas; Sole Agents—R. Ramchandra & Co.
Burnley Iron Works Co., Ld. Engine and Millwrights.
Moses and Mitchell, Valve Fibre.
W. C. Rowe, Consult. Engr. and General Contractors.
Price's Patent Candle Co., Ld. Lubricating Oils.
J. Cawasjee, Electroplater and Gilder.
J. Goldsworthy.

North Side.

Grand Bar.
J. H. Latimer & Co., Secretaries and Managers and Agents, Spinning and Manufacturing Co., Ld.
Dinshaw Dadabhoy.
William Murray & Co,
Scott, James & Co., Merchants and Engineers.
Agra S. & W. Co., Ld.
Tullockchund and Shapurjee, Merchants.
Mercantile Press Co., Ld.
Greaves, Cotton & Co., Merchants.
Connaught Mills Co., Ld.
Empress S. & W. Co., Ld.
Howard & Bullough Mills Co., Ld.
Imperial Cotton Mills Co., Ld.
James Greaves Mills Co., Ld.
Leopold Spinning, Bleaching, and Manufacturing Co., Ld.
London and Lancashire Fire Insurance Co.
National Assurance Co. of Ireland.
Reliance Marine Insurance Co., Ld.
Union Assurance Society.
Empress Spinning and Weaving Co., Ld.
London Provincial Fire Insurance Co.
Ruttonjee Bomonjee & Co., Dubashes.
Parakh & Sons, Europe Stores and General Merchants.
Hasanally Ebrahimji, Tailor and Outfitter.

Green Street.

[*Apollo Road to Marine Street.*]

J. Fachiri & Co.
Agents, Tod Durant & Co.
Positive Government Security Life Assurance Co., Ld.
Bombay Freighters' Association.
Cowasji Fakirji, Stamp Vendor.
Mackinnon, Mackenzie & Co.
Southern Mahratta Railway Co.
British India Steam Navigation Co.
West of India Portuguese Guaranteed Railway Co., Ld.
Indian Imperial Marine Insurance Co., Ld.
Imperial British East Africa Co.
Brooks, & Co., Brokers.
Byrne, Nanji & Co., Brokers.
Eastern Insurance Co., Ld.
F. W. Stevens, Architect, Civil Engineer and Surveyor.
G. Haag, Freight Broker.
Bombay Cotton Manufacturing Co., Ld.
Gray & Co., Merchants and Commission Agents.
B. & N. I. Sanjana, M. S. A., Architect.
Edward Lloyd, Ld.
Paper Makers, London.
Agent S. W. Cartwright.

Hornby Road.

East Side.

[*Continuation of Esplanade Road.*]

D. Macropolo, Tobacconist, Cigar and Cigarette Merchant.
V. J. Powell & Co.
D. Maneckshaw Merwanjee and Co., Jewellers, Goldsmiths and Diamond Merchants.
C. Heiniger & Co., Watch Manufacturers.
Reliance Watch Company.
Indo-China Manufacturing Company.
P. Byramjee, House Agent.
N. A. Hormusjee & Co., Merchants, Bankers and Commission Agents.
D. Chothia & Co.
Dhun Mills, Ld.
Ardeshir Meherban, Irani.
Dikshit and Hiralal, Solicitors.
K. P. Gadgil, Barrister-at-Law.
T. Mojumdar, Barrister-at-Law.
China Mills, Ld.
Manockji Petit's Manufacturing Co., Limited.
Central Provinces Swadeshi Spinning and Weaving Company.
Roskopf Patent Watch Agency.
Bombay Typewriting Company.
Khurshedjee D. Shroff, Solicitors, High Court.
Framjee and Moos, Solicitors.
Padshaw, Solicitor.
J. Liddle, R. D. S., Surgeon Dentist.
Muljee and Raghavjee, Solicitors and Notary Public.
Hiralal D. Sazba, Notary Public.
F. S. Taleyarkhan, Barrister-at-Law.
R. Langner, Watch Manufacturer.
M. Zaveri & Co., Tailors and Outfitters.
A. Fetterle & Co., Watch Manufacturers and General Merchants.
Madgavkar & Co.
Mazagon Spinning and Manufacturing Company, Ld.
P. A. Hormusjee & Co.
Framji C. Mehta, of *Kaiser-i-Hind*.
Victoria Manufacturing Co., Ld.
Nanabhoy B. Jeejeebhoy & Co., Agents.
Vanmalidas Jagjivun, Agents.
City of Bombay Manfg.Co., Ld.
Patel's Piece Goods Depôt.
British India Refreshment Rooms.
Jamsed Merwan, Irani Merchant.
Mir Aun Ali, Barrister-at-Law.
E. W. Ferne.
J. Fraser.
Framji Kaikhusru Patack, Vakil, High Court.
F. Swynnerton, Artist.
Dr. Cowasjee Nowrojee, G.G.M.C.
Balmukundji & Nasarwanji, Jewellers, Engravers and Goldsmiths.
Alice Buildings.—
Byramjee Jeejeebhoy Trust Settlement, 1872.
Modes de Paris.
Vice Consulate for the Netherlands.
Holland & Bombay Trading Co., Ld.
Consulate of the United States.
Dinshaw Furdhunji Mulla, M.A., LL.B., Solicitor.
West End Watch Company.
Devereux & Co., Wine Merchants.
The Ripon Manufacturing Co., Ld.
M. G. Deshmukh.
Madame Charlron, French Milliner.
Standard Oil Co. of New York.
S.J. Tellery, & Co.,Indian Curiosities and Art Manufacturers.
Ebrahimbhoy Pabaney Mills Co., Ld.
Currimbhoy Mills Co., Ld.
Dikshit and Dhunjishaw, Solicitors.
Sir Jamsetji Jejibhoy Parsee Benevolent Institution.
Cursetji Muncherji Bhesania & Co., Silk Mercers.
Sorabjee Hormusjee Bottlewala.
Sorabjee Jamajee, Confectioner.
Batlibhoy and Virjee, Piece Goods Merchants and Hosiers.
Hormusjee Rustam & Co., Confectioners.
Fire Brigade Station.
Victoria Terminus.
Dadabhoy R. Kateli.
J. B. Bhesania, Silk Mercer.
The Bombay Tailoring & Co.
Samuel Fitze & Co., Ld.

West Side

Rustim Bros., Cloth Merchants.
Mahadowdas Rugnathdas & Co., Silk, Woolen Merchants.
Elphinstone Cricket Club.
J. E. Mody, Tea Agent.
English Hotel.
Dossabhoy and Cowasjee, Dubash.
The New High School.
E. Vining.
K. F. Chapgar, L.C.E

The Collegiate Institute.
The Bombay High School.
Kaiser-i-Hind Steam Press.
Office of the Stri-Mitra.

Whiteaway Laidlaw Buildings—
Whiteaway, Laidlaw & Co., Milliners and General Merchants.
Mrs. Waldt, American Dentist.
Dr. D. S. Fraser, Oph. Surgeon.
A. Mantachoff & Co., Refiners of Russian Petroleum.
Raja Deen Dayal and Sons.
Longmans, Green & Co., Publishers.
Dr. E. J. Treasurywalla, Electro-Therapeutist.
H. J. R. Hemming, Solicitor.
The Naranji Mills Co., Ld.
Dr. B. S. Shroff.
Glade & Co.
Indian Spectator and Voice of India.
W. T. Stevens & Co., of New York.
Mrs. Russel's Boarding House.
John Roberts and Co., Ld., Billiard Table Manufacturers and General Furnishers.
J. N. Petit Institute.
Fort Reading and Library.
William Watson & Co.'s New Premises.

Standard Buildings—
Standard Life Assurance Company.
Craigie, Lynch, and Owen, Solicitors.
King, King & Co.

Albert Buildings—
O. S. Pedraza, Translator and Professor of Foreign Languages.
H. B. Tyabjee, Bar.-at-Law.
Dr. R. Row, M. D. London.
Drennan & Co.
Netherlands Fire Insurance Co.
R. J. Marshall, M. D.
R. Douse & Sons, Ld., Agents, Ahmd. Advance Spg. & Wg. Co.
The Yokohama Specie Bank, Ld.
F. Heyer.
W. M. Bell.
R. D. Setna, Barrister-at-Law.
P. M. Bhatt, Barrister-at-Law.
Bhaishanker & Kanga, Solicitors.

Oriental Buildings—
D. McLauchlan Slater, F.I.A., Manager and Actuary, Oriental Government Security Life Assurance Company, Limited.
Phillips & Co., Ld.
The Commercial Bank of India, Ld.
The Indian Guarantee and Surety Association.
Finlay Muir & Co., Lloyd's Agents.
Scottish Imperial Insurance Co.
Merchants' Marine Insurance Company, Ld.
Agency of Clan Line of Steamers.
General, Life & Fire Assurance Co.
Perim Coal Company, Ld.
Wilson Line of Steamers to Hull.
Miss Tarkhad, L.R.C P., Edin.
Framjee Sons & Co.
Messrs, Framjee and Dinshaw, Solicitors.
Jehanghir Dorabjee, Solicitor.
Jehanghir and Seervai, Solicitors.
Wilkinson Heywood and Clark.
Darasha Bazonjee, Solicitor.

Hummum Street.

South Side.

[*Medows Street to Apollo Road.*]

Blascheck (A.) & Co., Merchants.
Vice-Consulate for Spain.
Madon, Sons & Co., Merchants.
Rogers & Co., Aerated Water Manufacturers.
Upper Rhine Marine Insurance Co., Limited.
A. H. Nazar & Co.
Dürst & Co., Bombay and Calcutta.
Industrial Printing Press.
Merwanjee Rustomjee, Coach Builder.
Campbell & Hewson, Architects.
Flower, E. W., House Agent.
T. H. Moore.
Royal Insurance Company, Bombay Agency.
New Mofussil Company, Ld.
Liverpool Underwriters' Association.
E. E. Corey & Co., Ld.
A. J. Boucher, Agent and Merchant.
Tribhuwandas Vurjeewandas and Co., Merchants.
Allan, F. Turner, Solicitor, High Court.
Kassinath Janardhan Mistri, Solicitor, High Court.

H. E. Ghamat, Barrister-at-Law.
Lukshimon A. Chaudhari, Civil Engineer and Municipal Licensed Surveyor.
Hormusjee Sorabjee, Confectioner and Purveyor.
Favre Leuba and Co., Watch Manufacturers.
Steiner Hegerie and Co., Agents and Merchants.
W. Crowder & Co.
Union Mills, Limited.
Warden & Co., Agents, Mission Tiles.
Kurrachee Press Company, Ld.
Denison & Co., Wine and General Merchants.
W. A. Thurman.
Monesse & Co., Auctioneers.

North Side.

Joonas Tyeb, Tailors and Outfitters.
Thackersey Mooljee, Merchant.
Hindustan Spinning & Weaving Mill Company, Ld.
Western India Spinning and Manufacturing Company, Ld.
The Indian Manufacturing Co., Ld.
Duke & Sons, Aerated Water Manufactory.
Bombay Trades' Association.
C. E. Laka & Co., Naval, Civil, and Military Tailors and General Merchants.
Ardeshir and Byramji, Indian Art Gallery.
[illegible] Muncherji & Sons, Boot and Shoe Makers.
[illegible] Casim, Tailor and Outfitter.
[illegible] sageries Maritimes Company.
[illegible] & Co., General Warehousemen.
[illegible] and Navy, Drapery, Stationery [illegible] ook Department.
[illegible] Manufacturing Co., Ld.
[illegible] nufacturers Exchange Office.
[illegible] d Manufacturing Co.
[illegible] ition Commercial Agency.
[illegible] rcantile, Fire Insurance Co., nada.
[illegible] ork Life Insurance Co., Ld.
[illegible] Co.
[illegible] esse.
[illegible] cke.

J. F. Trefitz & Sohn, Bombay Agency.
C. H. B. Forbes & Co.
Imperial Life Insurance Co., Ld.
Bombay Ice Manufacturing Co., Ld.
Bombay Fire Insurance Co., Ld.

Karachi Ice Co., Ld.
Deccan Ice Co., Ld.
Kaiser-i-Hind Gold Mining Co., Ld.
Champion Lode Exploration, Limited.
Ripon Planting Company, Ld.

J. Exshaw & Co., Bordeaux.
Merewether & Sons, London.
W. and A. Gilbey.

A. C. Clark, Captain, Surveyor of British and Foreign Shipping.
K. Macaulay, Marine Surveyor.

Lidbetter & Co., Average Adjusters, Insurance Agents, &c.
Agents for North Queensland Marine Insurance Co.
Mutual Provident Society, Secretary & Manager, Lidbetter & Co.

Little, Smith, Nicholson, Bowen and Acworth, Solicitors.

Marine Lane.

[*Apollo Road to Marine Street.*]

Postal Printing Press.
The Indian Textile Journal.

Marine Street.

West Side.

[*From Apollo Bunder to Bank Street.*]

Caxton Steam Printing Works and *English Mail* Office.
Commercial Press.
American Dental Rooms, D. D. Bode.
Prince of Wales' Hotel.
A. B. L. Cooper & Co.
Moosa Essa & Co.
C. E. Nixon & Co.
Buxey & Co.
Jehangir Framji & Co.
Motilal Mulchand, Marble Merchants.
Deccan Paper Mills Co., Ld.
H. F. Soares & Co.
Bombay Society for the Prevention of Cruelty to Animals.
East Indian Printing Press Co., Ld.
Crawford & Co., Auctioneers.
Empress of India Refreshment Rooms.

The Royal Indian Tea Depôt.
Bomanjee Muncherjee & Co., Hardware and General Merchants.

East Side.

[*From Apollo Bunder to Mint Road.*]

The Royal Alfred Sailors' Home.
Bombay Royal Yacht Club.
Bombay Presidency Association.
A. Bhickaji & Co., Jewellers.
F. Muraglia & Co., Sculptors.
Bull & Co., Merchants.
Apollo Refreshment Rooms.
H. M.'s Dockyard.
Port Trust Bonded Warehouse.
Customs Bonded Warehouse.
The Bombay Opium Warehouse.
The Customs House.
The Govt. Central Printing Press.
Surgeon-General, Medical Department.
The Medical Board.
The Town Hall.
The Mint.
The Grand Arsenal.
The Bombay Port Trust Offices.

Medows Street.

East Side.

Mehrjee, Johnson & Co., Auctioneers.
Loan Office.
E. A. Dunn & Co., Auctioneer.
B. M. Tilak and N. N. Masani, Rubber Stamp Makers.
S. M. Ebrahim & Co., Boot and Shoe Makers.
Phillimore (C. E.) & Co., Agents for Head, Morrison and Blair, London, Liverpool and Manchester.
Pestonjee Mancherjee, Consulting Engineer.
Bomanjee H. Mothabhoy, Broker.
Danny & Co., Boot and Shoe Makers.
M. M. Bhownagree.
Bhownugger Agency Office.
Bicknell & Merwanji, Solicitors.
Hollis (A.) & Co., Gun Makers.
Eurasian & Anglo-Indian Association.
Sorabjee Cowasjee & Co., Auctioneers and Commission Agents.
Cowasjee Dinshaw and Brothers, Merchants, Aden and Bombay.
Tyabjee & Co.
Agent—Karachi Press Co., Ld.
M. C. Ratnagar & Co.
J. Wallace, C. E.
Dr. A. D'Monte, M. D.
Dr. DaGama.
A. P. D'Mello & Co., Surgical Instrument Makers.
Hajee Haroon Ebrahim & Co., Tailors and Outfitters.
H. Malcolm.
P. Cowasjee, Ice Depôt.
Khanderao Shreepad, Solicitor.
The Examiner Press.
The Alliance Photo. Enlarging Co.
W. C. Smith, Signboard Writer and Decorator.
C. H. Metha & Co., Tailors and Outfitters.
C. Mitchel, Tobacconist.
E. Muncherjee Sopazivalla, Tailor and Outfitter and General Merchant.
The Jubilee Washing Co.
Hallett (C. B.) & Co., House Agents.
Magandas and Jeramdas, Indian Fancy Bazaar.
Pestonji and Kanga, Consulting Engineers.
D. Fernandez & Co., Chemists.
Pestonji Muncherji, Consulting Engineer.
Canjee Laljee, General Merchant.
N. P. Dubash & Co., General Merchants.
Star Tobacco Company.
Purshotum Bundujee & Co., Merchants.
Roman Catholic Chapel and Nuns' Convent Day School.
St. Peter's Armenian Church.
Hormusji Adarji Kanga, L.C.E., Consulting Engineer.
S. Mitha, Signboard Painter & Gilder.
Kanny & Co., Watchmakers, Jewellers.
Mudaliar & Padwal, Engravers.
E. Sally Mahomed, Tailor and Outfitter.
Tarachand Pursram, Indian Goods Merchant.
E. Taurines, Photographer.
Haroon Ebrahim, Tailor, &
Pallonjee Hirjeebhoy's Son
Dinshaw Sorabjee, Confe
General Merchant.
F. J. Talayarkhan, Barris
Thomas Black & Co., Plum
The Western India Tradin
F. Cornaglia, Confectione
Esubjee Adamjee, Tailor a
Nanu and Hormusjee, Soli
Belgaum Manufacturing C

Pavri and Ragoonath, L.C.E., Architects, Engineers, &c.
J. E. Modi, Barrister-at-Law.
Nanabhai Mahadew, Electroplaters.
Dunnett & Co., Boot and Shoe Makers, Saddlers, and Harness Makers.
Reuter's Telegram Company.
Reuter's International Company.
D. B. Mody, General Merchant.
Breul and Co., Merchants.
Fard D. Mullah & Co., The Book Mart.
Jehanghir Abdool Satar & Co., Export and Import Merchants.
D. D. Davur, Bar.-at-Law.
Nawabzada Nasrulakhan, Bar.-at-Law
The Union Spinning and Manufacturing Co.
Lang and Co.
T. J. Desai, Barrister-at-Law.
D. V. Kirtane, Barrister-at-Law.
S. N. Hate, L.C.E., Architect, Civil Engineer and Licensed Surveyor.
Dr. Phil Emile Suter, Professeur DeLauceurs Modernes.
Captain and Vaidya, Solicitors.
G. A. Mitbawker & Co., Electroplaters and Gilders.
F. R. Vicaji, Barrister-at-Law.
Munsookhai, Lamodhur and Jamsetjee, Solicitors.
Munsukhlal M. Munshi, Solicitor.
D. M. Colah, Barrister-at-Law.
Dophtari and Ferreira, Solicitors, High Court.
M. Mama, Dealer in used Stamps, Albums, &c.
Nanabhoy Saklatwalla, Solicitor.
Dastoor, Occulist-
rrister-at-Law.
ning Co., Ltd.
irjeebhoy, Picture
Cutters and Surgical epairers.
, Dental Surgeon.
n and Kola, Solicitors.
its Co., Ltd.
var, L.D.S., Dental

Prince of Wales' Trading Co., Ld.
Aerated Waters Manufactory.
Italian Stores.
T. S. Bennet, Occulist-Optician.
Sorabsha & Co., Merchants.
Marseilles & French Tiles Agency.
Meeajee Ahmedbhoy, Milliner.
S. C. Majoo, Merchant.
R. Ditmar's Godowns of Warehouse.
D. B. Taraporewalla & Co., Book sellers.

West Side.

The Grand Hair Cutting Saloon.
The National Spinning & Weaving Co. of India, Ld.
Burlington Restaurant.
Royal Swedish and Norwegian Consulate.
Portuguese Consulate General.
N. I. Pereira, Piano Tuner, &c.
The Oldest Framing Establishment.
Framji Rustamji, General Surveyor and Bazaar Agent.
Kaiserlich Deutsches Consulat, Imperial German Consulate.
J. Kaufmann, Merchant and Agent.
Rustomjee Jewanjee and Sons, Wine Merchants.
Khangaum Cotton Pressing Co., Ld.
Hingolee Press Co., Ld.
Manockji Pestonji, Cabinet Maker.
Oriental Spinning & Weaving Co., Ld.
Sorabjee Shapurjee & Co., Engineers and Merchants, Agents for—
Brooks and Doxey, Manchester.
Ashworth Brothers, Manchester.
Butterworth and Dickinson, Burnley.
Joseph Stubbs, Manchester,
Frank Reddaway & Co., Burnley and London.
Handson, Scott & Co., Stockport.
Wilter and Sons, Bolton.
John Musgrave & Sons, Ld., Bolton.
Hugh Kershaw & Sons, Mossley.
Wilson & Co.
Khan and Khan, Bombay Agency.
Scottish Union & National Hanson, Scott & Co., Stockport.
Witter & Sons, Bolton.
Frank-Reddaway & Co., Manchester.
Bildt, C. G. D., Agent to the Swedish General Association and to the Society of Swedish Iron Masters.
Cercle Litteraire Bibliotheque Dinshaw Petit.

Sorabjee Pestonjee, Oxford Frame and Cabinet Maker.
D. Merwan & Co., Cigar Merchants.
Cooper and Cooper, Publishers.
Maganlal L. Shroff, LL.B., Solicitor, High Court.
C. J. M. Fernandez.
Persian Hair-cutting Saloon.
Jacob John Mahomed & Co., Tailors, Outfitters and General Merchants.
S. Kale and Co., Ophthalmic Optician.
Bloomfield & Co., Rubber Stamp Manufacturers.
Gregory, A. F.
J. M. Fernandez, Tailor and Outfitter.
D. B. Dinshaw, Picture Frame Maker.
Bala Govind, Gold and Silversmith.
Vishnu Babaji, Gold and Silversmith, and Electroplater and Gilder.
Shapurjee & Co., General Purveyors and Bazaar Agents.
Janardhan Gopal, Solicitor.
King, Cama & Co., Solicitors.
A. Excelsior, Italian Photography.
A. T. Gopalayya, High Court Vakil.
Kumar Shri Samatsingji of Palitana.
R. N. Motabhoy, Solicitor.
Framroz D. Shroff, Watchmaker and Jeweller.
Oriental Commercial Agency.
A. C. Schneider, Importer of Pianos.
Cursetjee Cowasjee, Watchmaker.
Peroo Mahomed Oil Mills.
Sartor & Co., Importers of Sewing Machines.
Nansee Khyraz & Co., Tailors.
Fazalbhoy C. Ganjee.
John Mahomed & Co.
J. Koening & Co.
Nensey P. Mahomed, General Merchant.
Valley Husan & Co., Tailors and General Merchants.
Morenas & Co., Ice Confectioners.
Evans, Fraser & Co.
D. F. Katrak & Co., Watchmakers and Jewellers.
Jaffer Peer Mahomed, Tailor.
Mirza Hooseinkhan, Solicitor.
The Commercial Reporter Press.
C. Nusserwanjee Reporter, Daily Commercial and Seed Reporter.
Jalljee Jaitha & Co., Merchants.
Cooper, W., Lithographer and Engraver.

Military Square Lane.

Maneckji Pestonji & Co., Picture Frame and Cabinet Maker.
C. Francis, Tailor.
Hope Mills, Limited, Agents, Rangildas Bhookandas & Co.
M. Coobair, Sign-board Painter.
Bombay Washing, Bleaching and Ironing Establishment.
G. Alexander & Co., Practical French Jewellers.

[Rope Walk Lane diverging to South of Military Square.]

Livery Stable.
Cercle Litteraire.
Papa Brothers.

Oak Lane.

Nowrojee Pestonjee Cama, Barrister-at-Law.
Hyderally Cassimjee, Merchants.
Elliott (W. H.) & Co., Ld.
Sharp (A.) and Son, Coal Brokers.
Ardashir Framji Unwalla, Solicitor, High Court.
E. Spinner & Co.
Janardhan and Ardashir, Solicitors.
Grieves, Wynn & Co., Agents.
Scott, Newton & Co.
Surrosh K. R. Cama & Co., Importers and Agents, London and Manchester.
The New York Cycle Agency—Representatives of Ditto.

Parsee Bazaar Street.

West Side.

Ramchander Mahadeo & Co., [illegible] chants.
W. Cooper & Co., [illegible] ping Agency.
Dadabhoy Horm[illegible] chants.
National Printing
Dosabhoy Merwa[illegible] Depôt for Whee[illegible] stitch Family S[illegible]
Cowasjee Dadab[illegible] chant.
Bhickchand Roop[illegible] Sugar and Ciga[illegible]

Mossabhoy Adamji, Stationer.
Dr. R. S. Sethna, L. M. & S.
Abdool Kadar Allibhoy, Stationer, &c.
Rustomji Manockji & Co., Stationers.
Fraser (S. B.) and Sons.
Abdoolali Essabhoy, Stationers.
Budruddin Brothers, Merchants.

East Side.

Hussanally Abdoolalli, Bombay Stationery Mart.
Cumrooddin Abdoolrahim & Brothers, Wholesale and Retail Stationers.
Abdool Hoossein Kikabhoy, Wholesale and Retail Stationer.
Byramjee Pestonjee & Co., Dubashes.
D. Luckmidas & Co., Booksellers, Publishers and Printers.
Allibhoy Esmalji, Stationers.
H. Schwer & Co.
Moosa Abdoolalli Essabhoy, Wholesale Stationer.
Allibhoy Sumsooddin, General Merchant.
Victoria Buildings—
Jamsetjee N. Tata & Sons, Merchants and Agents for—
A. C. Pallonji & Co.
Central Spinning, Weaving and Manufacturing Co., Ld.
Swadeshi Mills Co., Ld.
Good, Herbert, M. & Co., Agents.
Moxon, Meyer & Co., Bradford.
Liebert and Meyherhoff, Hamburg.
Murcott, Price & Co.
Japan Steamship Company.
Messrs. Sorabshaw and Company.
Dwarkadas Oodawjee, Public Accountant and Auditor.
Framji Hormusji & Co.
Nicoll, W. G.
[illegible] (W. & A.) & Co., Merchants.
Norwich Union Fire Insurance [illegible]
[illegible] Insurance Company.
[illegible] Insurance Company.
[illegible] Association.
[illegible] Co., Ld., and [illegible] Insurance Co., Ld.
[illegible] Lancashire Life Assur- [illegible]
[illegible]
[illegible] libhoy, Merchants.
[illegible] or Line of Steamers.

Chamber of Commerce Office.
F. N. Paton, Secretary, Chamber of Commerce.
Agents for Dobson, Barlow, Ld., of Bolton.
M. Pestonji & Co.
C. Rustomji Sethna.
Phiroze C. Sethna.
Jamsetjee Framjee, Wine Merchant.
Chubbs' Box and Lock Mart.
Hormusji Edulji, General Merchant.
Jamsetji Framji, Wine Merchant.
Edulji Pallonji Bottlewalla.
Ramji Babaji & Co., Hindu Bakers and Confectioners.

Rampart Row.

East Side.

Thorpe & Co., Tailors and General Merchants.
P. & O. S. N. Company.
E. D. Sassoon & Co., Merchants.
Sir Charles Forbes & Co., Merchants.
Prince of Wales' Press Company, Limited.
The Marine Insurance Company.
Rose (S.) & Co., Pianoforte and Musical Instrument Dealers.
Mayhew, W. G.
H. R. Desai, Money Changer.
Beynon, E.
C. H. Poincilit.
J. Essac & Co., Outfitters, Tailors, &c.

Tamarind Lane.

[*From Hotel de France to the Cathedral.*]

Hotel Metropole.
Essubjee Adamjee, Tailor Shop.
Fort Mercantile Press.
D. Heerajee & Co.
Maneckjee Mehrwanjee & Co.
Marcks & Co.'s Godown.
Felber Jucker & Co., Machinery Merchants.
J. Hetherington & Sons, Ld.
W. Dickinson & Sons.
Hiptoola Sheikh Adam, Ship Ch[illegible]
Nowsari Oil Manufacturing Com[illegible]
Ewart, Latham & Co., Merchants.
China Traders Insurance Company, Limited.

A K.

Carew and Co., Ld.
C. Pearson & Co.
London Assurance Corporation for Life, Marine and Fire Insurance.
National Guarantee and Suretyship Association, Ld.
Bombay Saw Mills Company, Ld. (in Liquidation).
Mercantile Marine Insurance Co. of South Australia.
Colonial Maritime Insurance Co. of Mauritius.
North British and Mercantile Insurance.
Nobel's Explosive Company, Ld.
Siam Forest Company, Ld.
Framjee Temuljee & Co., Commission Agents.
Mooljee Jaitha & Co.
Soonderdas Spinning and Weaving Company, Ld.
Pestonjee Dadabhoy, Surveyor and Draughtsman.
Murarjee Goculdas Spinning and Weaving Company, Ld.
Lakshmi Spinning and Weaving

Mulla Feroze Jamshedjee.
Purdoonjee Pallonjee, Solicitor, High Court.
H. J. Rustomjee & Co., General Merchants.
Roughton and Byrne, Solicitors.
W. H. Thorns & Co., late J. Pearson & Co.
N. J. Framjee, House Agent.
J. E. Boucher.
B. Sakaramji & Co., Agents for House and Estate and Domestic Servants.
Martin & Co.
Victoria Dairy Company.
Maneck & Co.
Uniform Printing Press.
F. H. Khambhata & Co.
Dhunjeebhoy Fakeerjee, Painters and House Decorators.
R. Jager & Co.
C. H. Gerrard & Co.
Sholapur Spinning and Manufacturing Co., Ld.
Grunn & Co., Bombay & Calcutta.
Dinshaw Rustomji & Co.
O. Martin.
W. C. Smith, Painter and Decorator.

MBAY GAZETTE TEAM PRES

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